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ABSTRACT

This document contains the 35th annual summary of vital statistics prepared by the Minnesota Center for Health Statistics of the Minnesota Department of Health. The introduction contains technical notes on changes in the summary format, sources of data, data quality, geographic allocation, and definition of rates. Trends of the 1970s and the 1980s are discussed in the areas of the rate of natural increase for the state, live births, infant mortality, reported induced abortions, deaths, marriage and divorce, and hospital utilization. Fifty-eight data tables and 25 figures are provided in the areas of: (1) an overview of 1985 vital statistics; (2) live births; (3) reported induced abortions; (4) fertility; (5) infant mortality and fetal deaths; (6) general mortality; (7) marriage and divorce; (8) occupational illness and injury; and (9) population. The appendices contain definitions of terms, data collection instruments, and a map of Minnesota health districts and offices. (NB)

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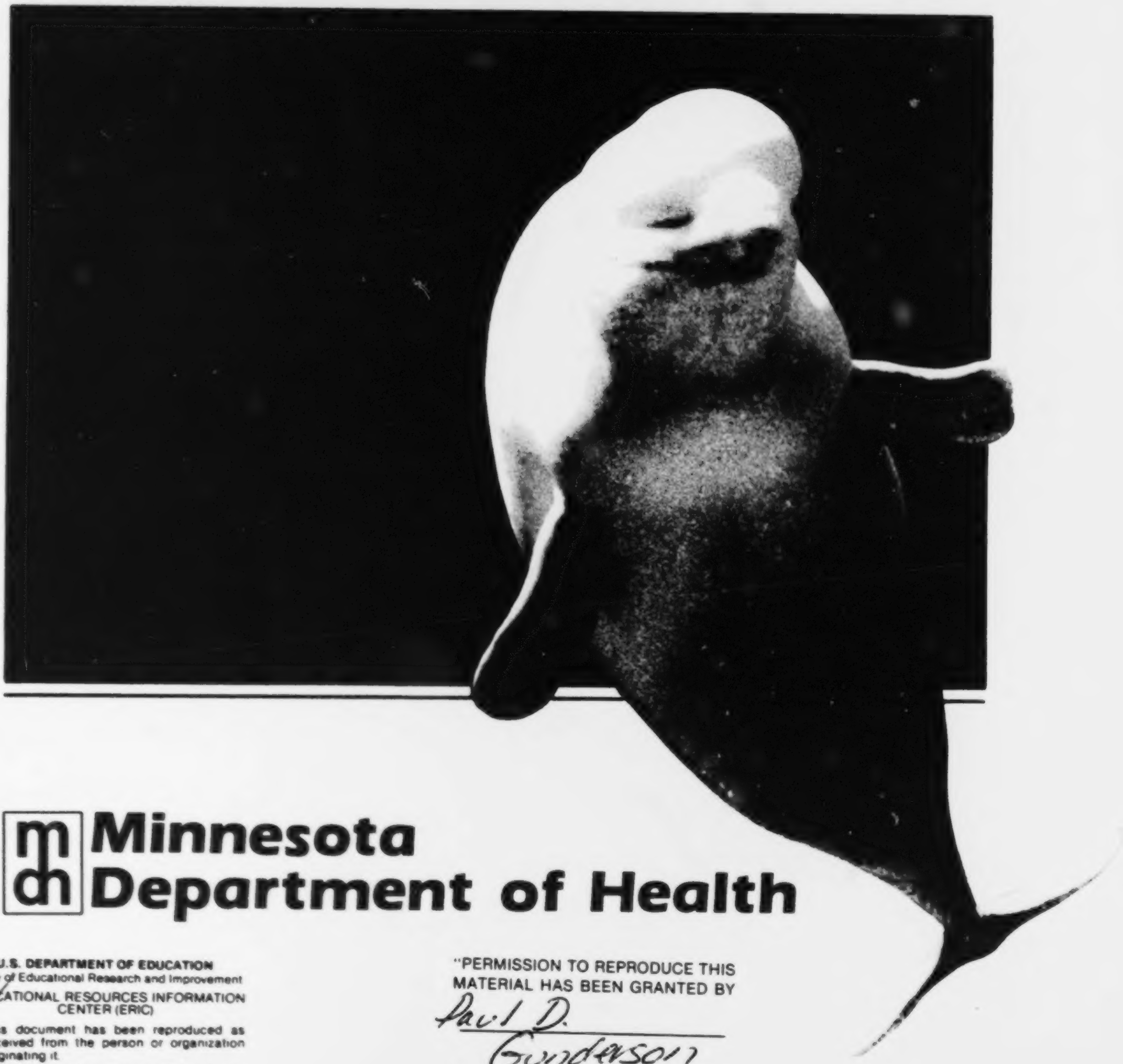
1985 MINNESOTA HEALTH STATISTICS



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MINNESOTA

HEALTH STATISTICS

1985

Published November, 1987

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Minneapolis, Minnesota 55440

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FOREWORD

Minnesota Health Statistics 1985 was prepared by the Minnesota Center for Health Statistics of the Minnesota Department of Health and is the 35th annual summary of vital statistics published by the Department. The document also responds, in part, to the requirements of a contract held with the United States Department of Health, Education, and Welfare to establish and implement a cooperative health statistics program for Minnesota.

If you have suggestions concerning the report format, queries concerning the data formulae used in developing the statistics, or if you have requests for additional statistics or other related publications, please contact:

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INTRODUCTION

****

TECHNICAL NOTES

****

A. CHANGES IN FORMAT

The 1985 publication contains trend sections summarizing selected health data for the decade beginning with 1976. In addition, the sections entitled "Reported Induced Abortions" and "Fertility," which were initiated in 1984 remain as sections of the 1985 publication.

B. SOURCES OF DATA

Vital Events

Birth, death, and fetal death certificates are the source documents for data on vital events of Minnesota residents filed with the Section of Vital Statistics Registration within the Minnesota Department of Health during the 1985 calendar year. A sample copy of each of these types of certificates is included in Appendix B, Figures 20-24, pages 165-169. Marriage and divorce data are compiled from transmittal documents which are also submitted to the Section of Vital Statistics Registration by each county.

The cut-off date for 1985 vital events data in this report was August 1, 1986. Any data pertaining to a 1985 event for which a certificate was filed after August 1, 1986 are not included in this report. It is possible that future data obtained from the MCHS may differ slightly from that which appears in this report. If this should occur, it is due to an update to the 1985 data year which was made after the August 1 deadline.

Events relating to Minnesota residents which occurred in another state are included in this report.[1] The inclusion of these data is made possible by an agreement for resident exchange of copies of certificates among all registration areas in the United States.

Birth and fetal death certificates are usually completed by hospital personnel present at the delivery. Death certificates are usually completed by hospital personnel, physicians, and funeral directors.

Reported Induced Abortions

The Minnesota Abortions Surveillance is a statewide reporting system involving provider agencies throughout Minnesota. Follow-up to facilities known to perform abortion procedures has been conducted to enlist all possible sources of abortion data, yielding the present 25 data providers enrolled in the system. A "Report of Induced Abortion" form is completed by provider agency staff for each abortion performed. A sample copy of the report form is included in Appendix B, Figure 23, page 168.

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[1] No marriage and divorce reports are included in the interstate exchange program for vital events. All marriage and divorce data are Minnesota occurrences.

Population

The methods for development of age and gender were revised by the Minnesota Center for Health Statistics in order to produce 1985 population estimates. These population estimates are included on pages 143 to 153 of this publication. The following procedures were used:

1) The most current Minnesota age/sex population estimates produced by the U.S. Bureau of the Census were obtained. (These age/sex estimates were done by the Census Bureau to fulfill contractual obligations with the National Cancer Institute.) At the time our estimates were devised, Census Bureau data for calendar year 1984 were the latest available. Those data are aggregated by county, sex and five-year age groups through 84 years of age.

2) The proportion of the total for each age/sex group by sex was computed.

3) Those proportions were applied to the total county population estimates which are published annually by the Office of the State Demographer within the State Planning Agency. This resulted in revised county five-year age group and gender totals. Any rounding errors were eliminated by adjusting the 85 and over age group. The resulting county totals were thus forced to match the totals published by the Office of the State Demographer.

4) Census data from 1980 were used to compute proportions of age/gender groups for selected cities within their counties of location. Those calculated proportions were applied to the 1985 revised age/gender county estimates to produce 1985 city age/gender preliminary estimates. Further adjustments were then made to force city totals to equal total city estimates published by the Office of the State Demographer.

Occupational Injuries and Illnesses

The basic source document for the Supplementary Data System (SDS) of occupational injuries and illnesses is the "First Report of Injury" submitted by employers to the Minnesota Department of Labor and Industry, Worker's Compensation Division. A sample copy of the "First Report of Injury" is included in Appendix B, Figure 24, page 169.

The Supplementary Data System covers all employees in the state who fall within the scope of the Worker's Compensation Act. This excludes railroads in interstate commerce, certain farm operations, casual employment not in the usual course of trade or business, and household workers earning less than $500 per quarter. Any work-related illnesses or injuries which cause a loss of three or more days of work are required to be reported.

C. DATA QUALITY

Vital Events

The quality of data presented in this report is directly related to the completeness and accuracy of the information contained on the certificates. The MDH maintains two major program operations related to improving the quality of information received on certificates in order to ensure that the information is as complete and accurate as possible.

The query program is a system used to contact hospital personnel, funeral directors, and/or physicians concerning incomplete or conflicting information. The follow-up contact is usually done by telephone and is based both on a manual and computer editing procedures.

The field program attempts to improve certificate information by educating participants in the vital registration system, i.e., hospital personnel, funeral directors, physicians, coroners, and medical examiners of the uses and importance of vital statistics data. The field program completes this mission by conducting seminars with various associations and makes site visits when problems with registration relating to a particular event, area or institution are discovered.

The National Center for Health Statistics (NCHS) monitors Minnesota's coding of statistical data. NCHS has established a two percent upper limit for coding differences involving any one data item, with the exception of cause of death. A five percent limit is established for this item due to the complexity of the coding process.

The Minnesota Department of Health implemented multiple cause coding on death certificates for the final quarter of 1983. All factors contributing to the death which are mentioned on the death certificate are coded using the Ninth Revision of the International Classification of Diseases (ICD-9) and underlying cause is determined through a series of special computer programs--the Automated Classification of Medical Entities (ACME).

The ACME system provides not only traditional underlying cause statistics, but also multiple cause data which may be tailored for other indepth research and analysis. Planning is underway for future analyses and publication of multiple cause data.

In order to conform to the National Center for Disease Control's changes in cause of death terminology regarding violent deaths, some changes in cause of death labels were incorporated into the 1984 death tables. Cause of death labels within Tables 40-43 and 46, which previously contained the term "accidents", were changed to "unintentional injury." This change only effects terminology, as no change in actual ICD coding has occurred.

Another item to note is that all natality tables which include birth weight specific data were modified in 1983 to provide statistics for identification of live births under 2,500 grams. The tables affected are Tables 11, 12 and 38. This modification was necessary for compliance with national standards which define low birth weight as less than 2,500 grams.

Reported Induced Abortions

The quality of data pertaining to induced abortions is dependent on the completeness and accuracy of the report forms submitted by provider facilities. A combination of computer and manual editing enables MCHS personnel to identify errors on records and take necessary corrective steps. Year-end reports are prepared for individual provider facilities to allow them to make comparisons with their own records and to report differences to MCHS. MCHS then studies the differences and makes necessary adjustments.

Changes have occurred in administrative record keeping by abortion providers. New records management systems have made it very difficult for some providers to match the "Report of Induced Abortion" forms to individual patient records due to lack of unique identifiers. These changes have created a greater margin for error in reporting since facilities are unable to easily locate individual records for correction of questionable reports.

In 1984 a revised reporting form was introduced. Changes were made in three data categories: contraceptive use, abortion method, and complications or failures. The changes were made in order to clarify data, simplify reporting, and reduce errors.

Prior to 1984 the "Report of Induced Abortion" form requested information on clients' reported contraceptive use. The five responses on the form were: "never used," "have used but discontinued use," "was using at conception" (method failure), "use status unknown," and "interrupted use" (intended to differentiate between human error or the choice not to contracept and method failures). Both the "interrupted use" and "method failure" response asked for further information on the type of contraception used as indicated by the client. For that reason, retrieval of data on "method failures" by type of contraception was not possible since "interrupted use" cannot be considered actual method failure.

In order to collect data on method failures only, the contraceptive use category was modified in 1984 to report use "at time of conception" only. Four responses are now offered: "unknown," "never used," "have used but not at conception," and "method use at conception" (method failure). Only the fourth response, "method failure" requires further action relative to type of contraceptive used. This restructuring of requested information clarifies the contraceptive method data reported.

In 1984, the list of contraceptive methods was also revised: oral contraceptives were categorized into combination pills and mini-pills; the sponge, cervical cap, fertility awareness, and spermicidal jelly/cream (alone) were added; and the "none" category was eliminated.

Also in 1984, response choices in the Abortion Method category were rearranged and the names of the methods updated. The "combination" response was eliminated and replaced with "other (please specify)______." These changes allow for easier correction and verification of questionable responses.

The Complications or Failures category was restructured into minor (did not require hospitalization) and major (did require hospitalization) with treatment options offered for each as a means of verifying coding intentions. The complications response choices remained unchanged, with two responses (heavy bleeding/hemorrhage and infection) listed under both "minor" and "major" complications. These changes and the differences between minor and major complications were determined with the assistance of provider agencies' staff.

Population

The 1985 population estimates used in this publication are the only known source of population data by age group, sex and county available at the time of publication of this report. In 1980, the census data were used to estimate the state population. These data were considered to be highly accurate due to various checking and follow-up procedures. The 1981 through 1985 estimates are postcensal estimates, and a modified version of the cohort-component method was used in their production. The cohort-component method is an established method of estimating population and is normally very accurate if birth, death, census and migration data are of good quality. Although these estimates are not as accurate as an actual census, they are still very useful estimators of the actual population of Minnesota. All rates in this publication have been calculated using these 1985 population estimates as a denominator.

Since the method for producing estimates was modified, age/sex estimates for some counties may show some marked changes. Therefore, caution is advised in interpreting changes in age-specific rates, since the differences may be artifacts rather than meaningful observations.

Occupational Injuries and Illnesses

Nature of Injury or Illness, Source of Injury or Illness, Type of Accident and Part of Body affected are coded according to ANSIZ 16.2--1962 "Method of Recording Basic Facts Relating to the Nature and Occurrence of Work Injuries." Occupations are coded using Census Bureau Codes. Industries are coded using four digit Standard Industry Classification Codes.

The quality of occupational injuries and illnesses data is related to the completeness and the accuracy of coding the "First Report of Injury." Extensive input editing by computer edit programs is performed on basic codes. Also, periodic reviews by Regional Bureau of Labor Statistics personnel are performed to audit the coding function.

D. GEOGRAPHIC ALLOCATION

Vital Events

Vital events can be classified geographically in two ways. The first way is by place of occurrence, i.e., the actual state, county and minor civil division in which the birth or death took place. The second and more customary way is by place of residence, i.e, the state, county and minor civil division stated to be the usual residence of the decedent in the case of deaths or of the mother in the case of a newborn. Fetal deaths and infant deaths, in cases where the child was never discharged from the hospital, are classified to the residence of the mother.

While occurrence statistics are accurate and have both administrative value and some statistical importance, residence statistics are the more useful tool when constructing health indices for planning and evaluation purposes. The statistics provided in this report are residence data unless otherwise stated.

Allocation of vital events by place of residence is sometimes difficult, because classification depends entirely on the statement of the usual place of residence furnished by the informant at the time the original certificate is completed. For various reasons, this statement may be incorrect or incomplete. For example, mailing addresses very often differ from the actual geographic residence.

Where the mailing address is a rural delivery number or when an unincorporated place is given as the place of residence, it is seldom possible to allocate the event to a specific township or the correct minor civil division, if this information is not supplied. How often incorrect information on residence is recorded is not known, but it is generally due to lack of information concerning the exact location of residence or misunderstanding of the question on the part of the informant.

This problem is applicable generally only to minor civil division level data. Resident counts for the state as a whole are, for all practical purposes, very accurate. County resident figures are substantially correct and can be used with a high degree of confidence.

Each of Minnesota's 87 counties is classified into one of eight health districts, the borders of which can be made to correspond to former Health Systems Agency (HSA) boundaries. The Health Systems Agencies, established under PL 93-641, were regional agencies designated for the planning and development of health services. Some data presented in this report are also aggregated by MDH health district. Appendix C is a map showing the county distribution of the health districts and health service areas in Minnesota.

Reported Induced Abortions

Data on induced abortions are collected and coded to the county and minor civil division of residence of the recipient. The quality of geographic allocation is highly suspect due to total dependence on the patient responses at the time of the procedure.

This report does not include county level tables due to the chance of inadvertent disclosure of individual identity. However, a map illustrating county totals in ranges is included as Figure 25, page 173.

Population

The 1985 population estimates by age group and sex are available at the state and county level, as well as estimates for Minneapolis, St. Paul and Duluth. Estimates of the 1985 population of every city and township outside the seven-county Twin Cities Metropolitan Area were created by the Office of the State Demographer. These estimates, however, are not broken down by age group or sex. Estimates of the population of cities and townships inside the seven-county Twin Cities Metropolitan Area were created by the Metropolitan Council.

E. DEFINITIONS OF RATES

Absolute counts of health-related events do not readily lend themselves to analysis and comparison between years and between various geographic areas because of population differences and the small number of reported events. These demographic differences include total number, age and sex distributions, and ethnic or racial differentials. In order to assess the health status of a particular population at a specified time, the absolute number of events is converted to a relative number such as a probability of living or dying, a rate, a ratio, or an index. This conversion is made by relating the crude number of events to the living population at risk in a particular area at a specified time.

The following types of rates are used in this report:

ABORTION RATE: The number of induced abortions per 1,000 females in the population of age 15 through 44 years.

AGE/CAUSE SPECIFIC DEATH RATE: Number of deaths from a specified cause within a specified age group per 100,000 population in the same age group.

AGE/SEX ADJUSTED DEATH RATE: Total rates for counties and cities are adjusted for age and sex on the basis of the state population.

AGE-SPECIFIC PREGNANCY RATE: Number of live births plus fetal deaths plus induced abortions to women in a specified age group per 1,000 females in the population comprising the same specified age group.

CRUDE BIRTH RATE: Number of live births per 1,000 population.

CRUDE DEATH RATE: Number of deaths per 1,000 population.

FERTILITY RATE: Total number of live births per 1,000 females in the population of age 15 through 44 years.

INFANT DEATH RATE: Deaths under one year of age per 1,000 live births.

NEONATAL DEATH RATE: Number of infants dying under 28 days of age per 1,000 live births.

OCCUPATIONAL INJURY AND ILLNESS RATE: Number of reported injuries or illnesses in a given industrial category per 1,000 workers in the same industrial category. The state rate is calculated excluding agricultural industry categories.

PERINATAL DEATH RATE: Number of fetal deaths of 20 weeks or more gestation plus the number of neonatal deaths (deaths to infants under 28 days of age) per 1,000 live births.

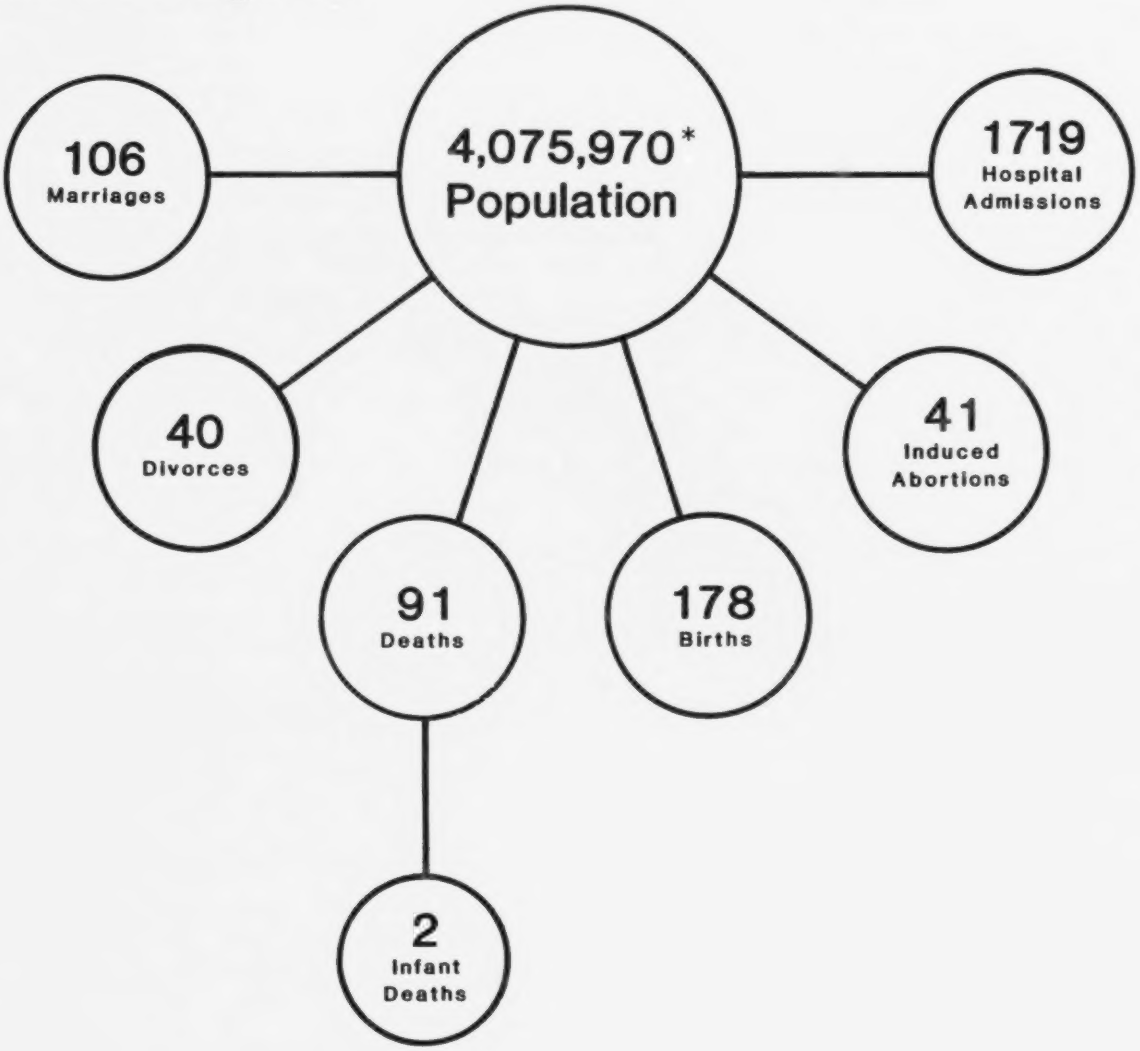
PREGNANCY RATE: Number of live births plus the number of fetal deaths plus the number of induced abortions per 1,000 females in the population of age 15 through 44 years.

SEX ADJUSTED-AGE SPECIFIC DEATH RATE: Specific age group rates for counties and cities have been adjusted for sex on the basis of the state population for the specific age group.

STANDARDIZED MORTALITY RATE: Cause specific mortality rates are adjusted for age and sex on the basis of the 1940 United States Standard Population.

TRENDS OF THE 70s & 80s

Every day during the decade, 1976-1985, residents of Minnesota experienced an average of:


4,075,970*
Population
106
Marriages
1719
Hospital Admissions
40
Divorces
41
Induced Abortions
91
Deaths
178
Births
2
Infant Deaths

---

*1980 Census

NATURAL INCREASE

Minnesota's birth rate rose steadily for the first six years of the 1976 through 1985 interval, from 14.3 events per 1,000 in 1976 to 16.7 in 1981--a 17 percent increase. The rate then dropped in 1982 and 1983 and rose slightly again in 1984 and 1985. Death rates for the same ten year period have remained quite stable. The largest annual fluctuation occurred between 1978 and 1979 when the rate dropped five percent from 8.3 to 7.9.

The difference between the birth and death rate results in the rate of natural increase, shown in Figure 1 below. Due to the rising birth rates and the stability of death rates between 1976 and 1981, the rate of natural increase rose gradually to 8.7 in 1981. This rate was nearly half that of the 16.7 natural increase rate experienced in 1955 when the birth rate peaked at 25.7. Since 1981, natural increase rates have leveled to the 1985 rate of 7.8.

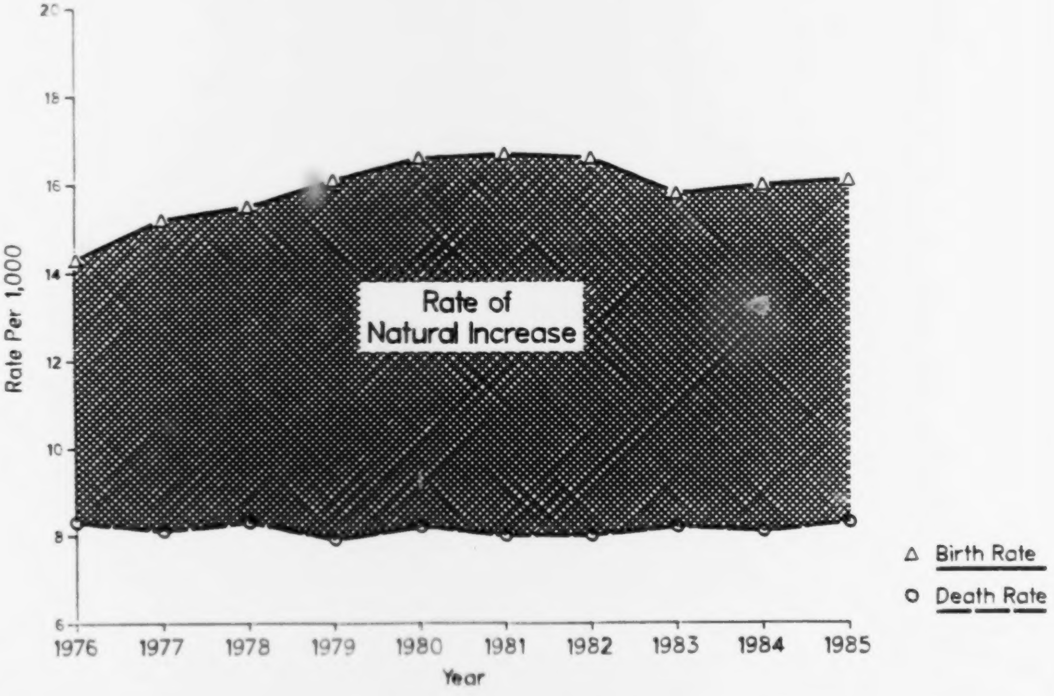


Figure 1

BIRTH AND DEATH RATES PER 1,000 POPULATION
MINNESOTA RESIDENTS, 1976 – 1985

LIVE BIRTHS

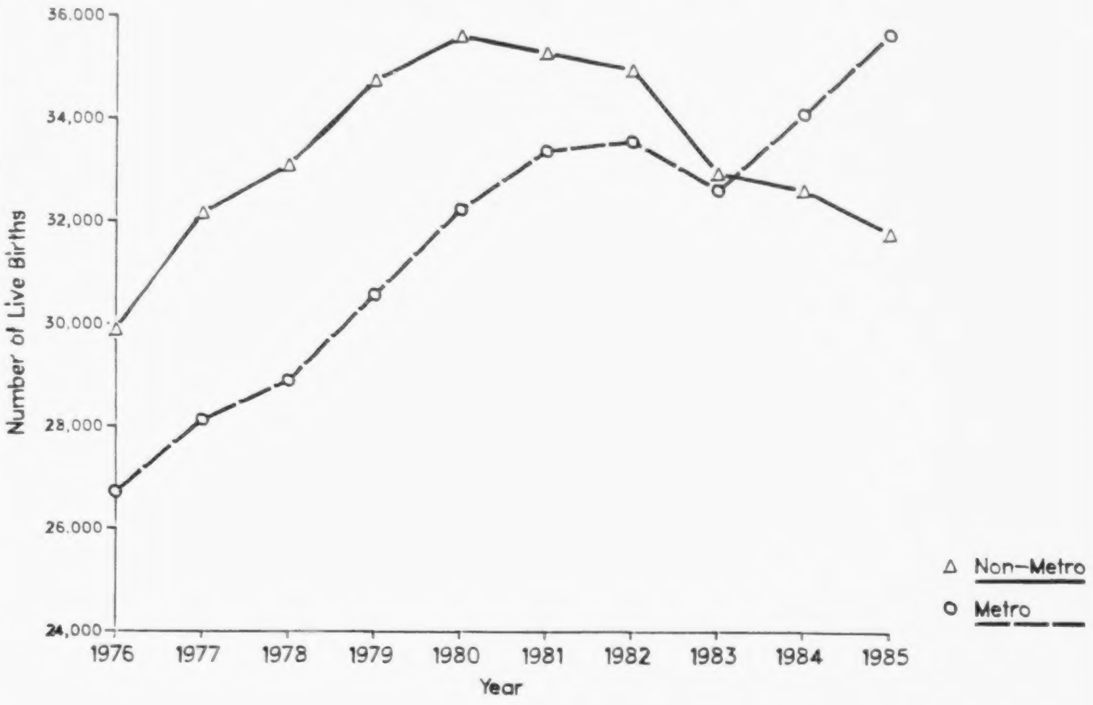
Births by Geographic Area

Minnesota experienced a 20 percent increase in the number of resident live births over the past decade (see Figure 2 below). Sixty-seven thousand four hundred twelve resident births were recorded in 1985, compared to 56,594 in 1976.

The total number of resident live births within the seven-county metropolitan area rose annually in each year from 1976 (with the exception of 1983, when a slight decrease--three percent--was noted) forward. On the other hand, non-metro area resident births grew from 29,884 in 1976 to 35,606 in 1980, and thereafter declined. Non-metro resident live births were higher than metro area births in the mid 1970's through 1982 and have since dropped below metro area totals. In 1985, total metro area live births were ten percent higher than the reported 31,770 non-metro resident births.

Figure 2

LIVE BIRTHS TO METRO VERSUS NON-METRO RESIDENTS
MINNESOTA RESIDENTS, 1976 – 1985



Fertility Rates

Fertility rates are defined as the number of live births per 1,000 women in the population aged 15 through 44 years. These rates for 1976 through 1985 are depicted for Minnesota and metro and non-metro area residents in Figure 3 below. Minnesota's lowest fertility rate in the decade was 63.8 births per 1,000 women in 1976. The rate increased to a high of 71.0 in 1981 and then declined to the 1985 rate of 68.0. An overall increase of seven percent in the fertility rate was experienced in the ten year period.

The seven-county metro area, which followed a pattern similar to the state, reported its lowest rate in 1976 (57.4). The metro rate then rose through 1981, fell again for two years and peaked in 1985 with a rate of 66.2. The net increase in the decade for the metro area was 15 percent.

The non-metro area fertility pattern also showed an increase in the rate from 1976 through 1980, however the decreases since 1980 were more marked than those experienced in either the state as a whole or the metro area. The 1976 non-metro rate of 70.9 births per 1,000 women was 24 percent higher than the metro rate for the same year. When the non-metro rate reached its highest point in the decade (78.6 in 1980), it was still 23 percent higher than the metro rate of 63.7. However, the gap between the two areas began closing in the 1980's and by 1985 only a six percent difference remained. The non-metro rate reached its lowest point in the decade in 1985, whereas the metro rate reached its highest--70.1 and 66.2 respectively.

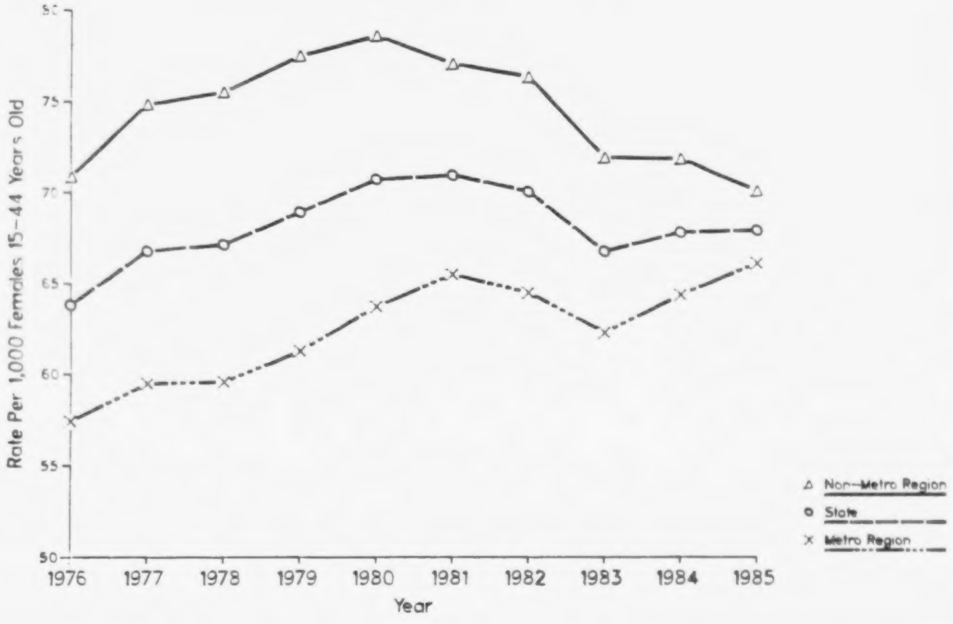


Figure 3

FERTILITY RATE BY REGION AND STATE
MINNESOTA RESIDENTS, 1976 – 1985

Mean Age of Mother

Between 1976 and 1985, mother's average age at birth increased annually by one and two tenths of a year from 25.1 in 1976 to 26.6 in 1985. The overall increase over the decade was 1.5 years.

Paralleling the rising trend of mother's mean age for total births, mean age at the time of first birth also showed annual gains. The average age at first birth, which was 22.7 in 1976, increased 7.5 percent over the decade to 24.4 years of age. Figure 4 below illustrates the changes over time.

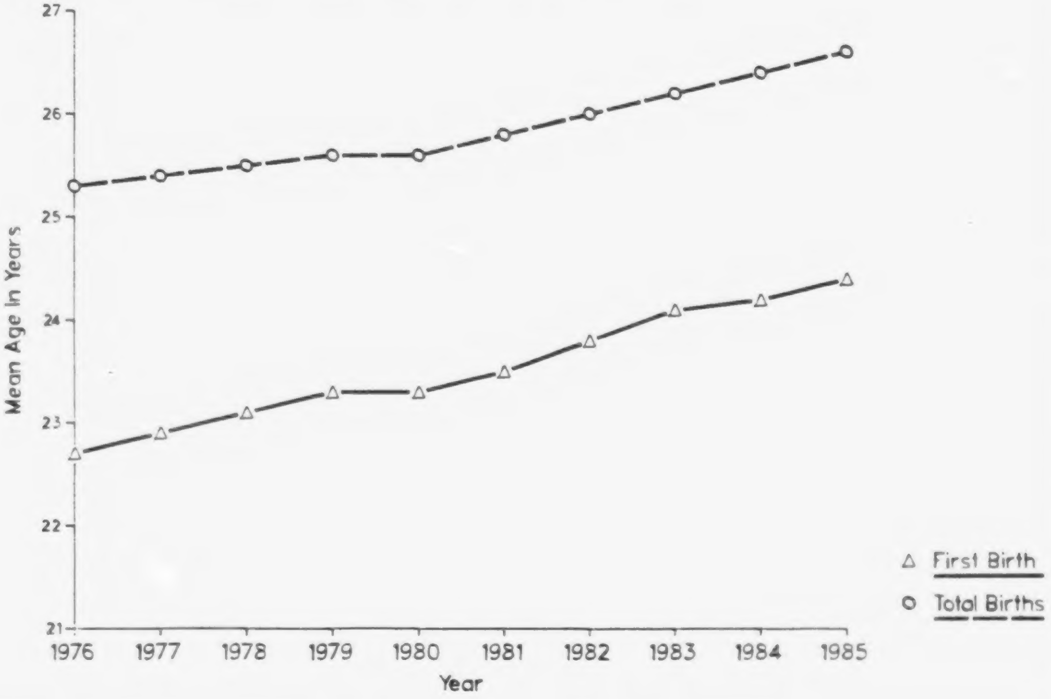


Figure 4

MEAN AGE OF MOTHER AT FIRST BIRTH AND FOR TOTAL BIRTHS
MINNESOTA RESIDENTS, 1976 – 1985

INFANT MORTALITY

Infant Mortality Rates, 1930-1985

The extraordinary decline in infant mortality within Minnesota over the past half century is apparent in Figure 5 below. In 1930 2,457 babies under one year of age died, resulting in an infant mortality rate of 51.8 deaths per 1,000 live births. Since then the rate has plummeted by a total of 83 percent to the 8.8 deaths per 1,000 live births observed in 1985.

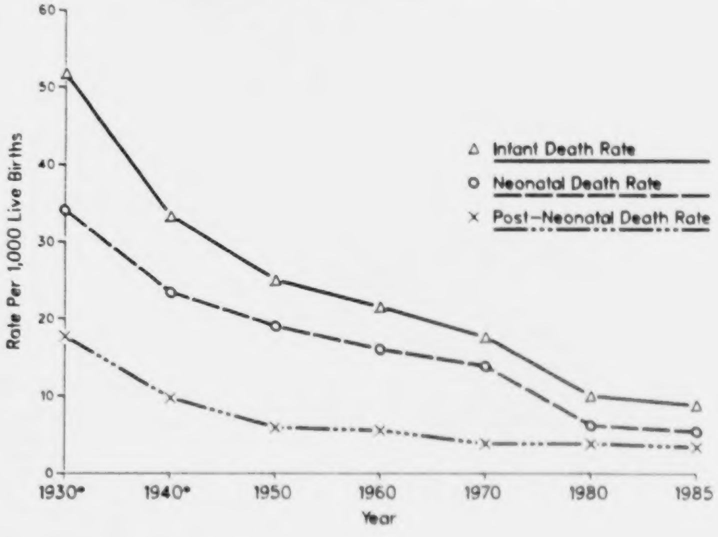
A similar phenomena occurred with the neonatal deaths (deaths in the first 28 days of life). The death rate fell 84 percent from 34.1 per 1,000 live births in 1930 to 5.4 in 1985.

Postneonatal deaths, defined as deaths between 28 days and one year of age, also dropped dramatically from 17.7 deaths per 1,000 live births to 3.4 for the same time period.

The most notable decrease in a decade was observed between 1970 and 1980. Both the total infant death rate and neonatal death rate dropped dramatically--43 percent and 55 percent respectively. The decline in neonatal deaths in that ten-year period accounted entirely for the observed drop in total infant deaths since the postneonatal death rate remained the same. Neonatal deaths continued to decrease at a slightly faster pace than postneonatal deaths in the 1980's, however the decline has slowed considerably.

Figure 5

INFANT, NEONATAL AND POST-NEONATAL DEATH RATES
MINNESOTA RESIDENTS, 1930 - 1985



* Data is by place of occurrence

Race Specific Infant Mortality

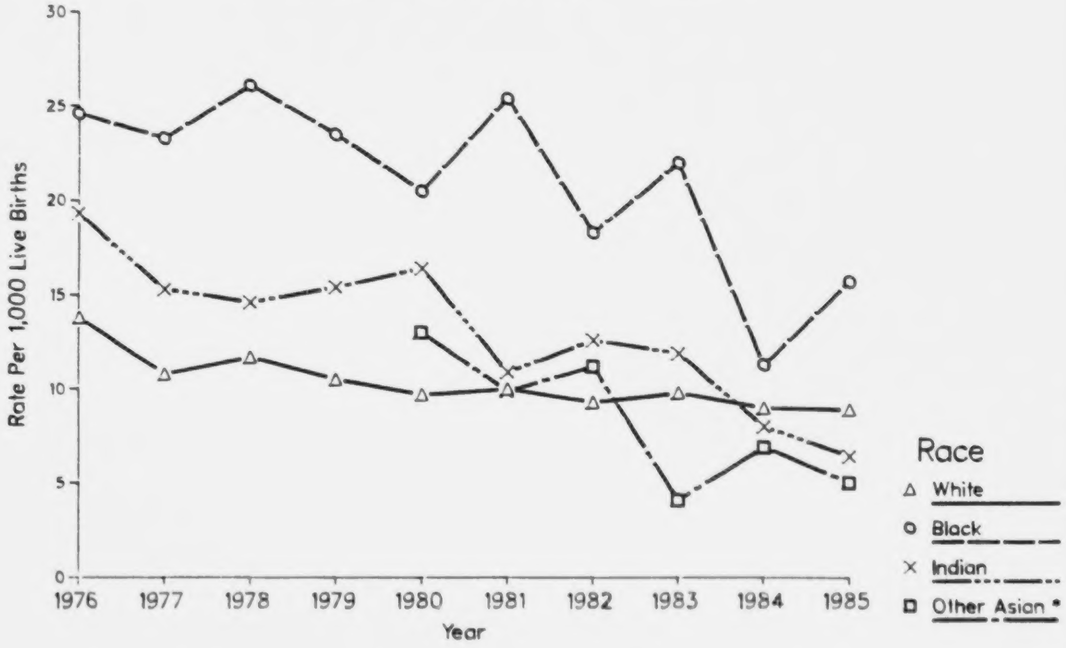
The variability of infant death rates by race is illustrated in Figure 6 below. (It should be noted that small numbers of births and deaths result in the large differences in annual race-specific rates.) Black infant death rates were typically double those of whites between 1977 and 1983. However, the black rate declined from 22.0 in 1983 to 11.3 in 1984. In 1985 the black infant death rate increased to 15.7 deaths per 1,000 live births.

Infant mortality rates for American Indians were higher than white rates for 1976 through 1980 and then began dropping. In 1984 Indian infant mortality rates dipped below the white rate and the 6.4 deaths per 1,000 Indian births in 1985 was the lowest rate ever reported.

The race "Other Asian and Pacific Islanders" includes several Southeast Asian natives (Korean, Hmong, Vietnamese, etc.) as well as some Pacific Islanders. The 1980 and 1982 infant death rates are higher than white rates, however all other years between 1980 and 1985 exhibit lower rates. The 1985 Asian rate of 5.0 is the lowest death rate observed in Minnesota.

Figure 6

INFANT MORTALITY RATES BY RACE
MINNESOTA RESIDENTS, 1976 – 1985



* Includes Southeast Asian, i.e., Korean, Laotian, Vietnamese, etc., and some Pacific Islanders.
Data for this race group is not applicable prior to 1980.

REPORTED INDUCED ABORTIONS

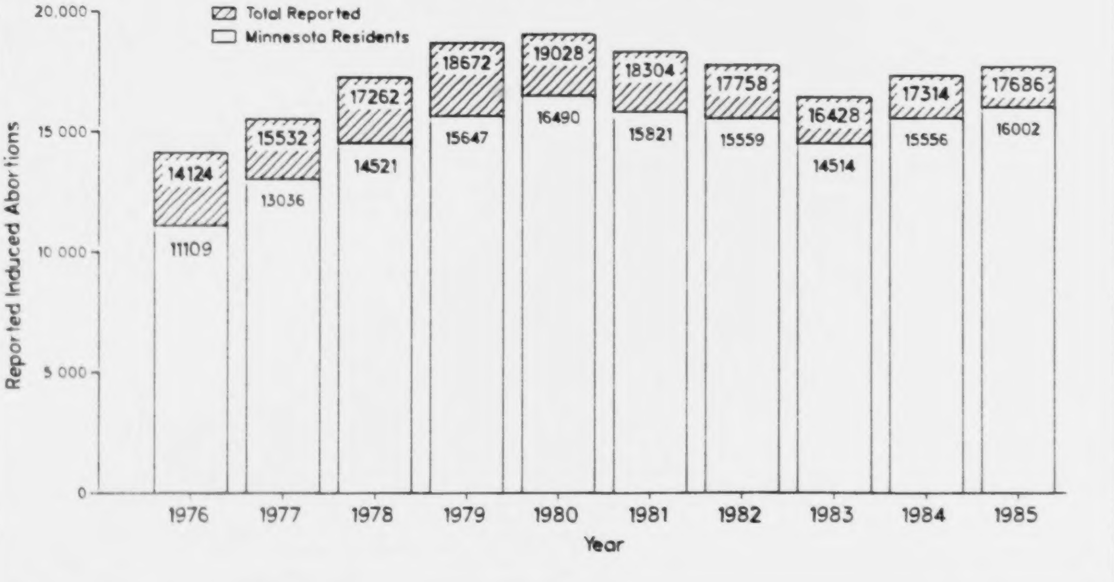
Induced Abortions in Minnesota, 1976-1985

Reported induced abortions performed in Minnesota during the 1976 through 1985 interval are depicted in Figure 7 below. The total number of abortions rose annually from 14,124 in 1976 to 19,028 in 1980--a 35 percent increase. Between 1980 and 1983 a 14 percent decrease occurred, and although slight increases were detected in 1984 and 1985, the 1985 total of 17,686 abortions was still seven percent lower than reported in 1980.

A similar trend was apparent for Minnesota resident abortions performed in Minnesota. The highest number of resident abortions occurred in 1980 when 16,490 were reported, representing a 48 percent increase over the number reported in 1976. Decreases were observed for three years following 1980, however a ten percent rise occurred between 1983 and 1985. Minnesota resident abortions comprised 84 percent of all abortions performed in Minnesota in 1976, and nearly 91 percent by 1985.

Figure 7

REPORTED INDUCED ABORTIONS
MINNESOTA, 1976 - 1985



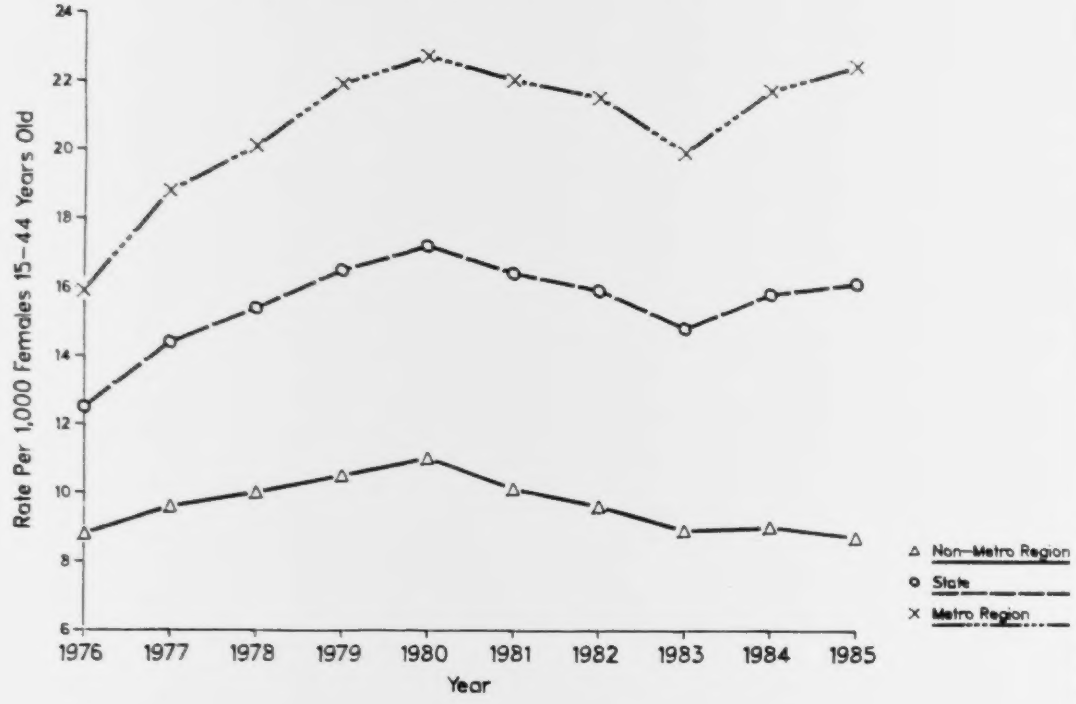
Induced Abortions by Geographic Area

Figure 8 below depicts changes in the abortion rate (number of induced abortions per 1,000 women aged 15 through 44) between 1976 and 1985. The abortion rate rose from 11.1 events per 1,000 in 1976 to 16.5 in 1980, representing a statewide increase of 49 percent. Increases were apparent in both metro and non-metro areas at 43 and 25 percent respectively. A three-year decline in rates occurred between 1980 and 1983, after which both the state and metro area rate rose to their current rates of 16.0 and 22.4. The non-metro abortion rate also increased slightly in 1984 but then fell in 1985 to its lowest rate of the decade--8.7.

As Figure 8 illustrates, metro area abortion rates were consistently higher than non-metro abortion rates throughout the decade. In 1976, the metro area rate was approximately 80 percent higher; by 1978 it was double that of the non-metro area. The gap between the two geographic area rates continued to widen and at the end of the ten-year period, the metro area exhibited a rate more than two and one-half times that of non-metro rea.

Figure 8

ABORTION RATE BY REGION AND STATE
MINNESOTA RESIDENTS, 1976 – 1985



Standardized Mortality Rates, 1950-1985

Many factors affect statistical trends such as those pertaining to mortality. Included are demographic changes in the population (age, sex, race) and classificatory changes in the International Classification of Diseases (used in cause of death coding). One way to account for demographic factors is to adjust death rates to a standard population. Changes in cause of death classification are reconciled by converting to a standard which uses compatibility ratios.

When differentiating among the conditions which contribute to the death one must verify that the trends which appear are due to real changes in the cause of death instead of changes in demography or classificatory (nosologic) practice. In the following analysis, demographic and classification adjustments were made for selected leading causes of death to Minnesota residents in 1950, 1960, 1970, 1980 and 1985. This adjustment practice is labelled rate standardization. The 1940 United States population was the population to which the rates were adjusted to produce comparability throughout the years.

The trends associated with selected leading causes of death between 1950 and 1985 are depicted in Table 1 and visually presented in Figure 9. The total standardized death rate declined from 808.3 per 100,000 population in 1950 to 514.5 in 1985--a reduction of nearly 300 deaths per 100,000 (3 per 1,000).

The largest reduction in standardized death rates in the ten causes represented in Table 1 was the 79.5 percent decrease observed since 1950 in perinatal conditions. This decrease is consistent with the overall decline in infant mortality. Another phenomena affecting mainly young people is deaths due to congenital anomalies. The standardized rate for those causes also showed a major decrease (56 percent) over the study period.

Cerebrovascular disease also indicated a large decrease during the 35 year study period when the standardized rates fell from 98.0 per 100,000 in 1950 to 35.9 in 1985—a 63 percent decline. Diabetes and heart disease rates fell by 48 percent and 43 percent respectively. A 41 percent drop was also observed in pneumonia and influenza death rates.

Injuries are a leading cause of death for both young and old. Unintentional injury death rates declined by 24 deaths per 100,000 between 1950 and 1985. A slight decrease (seven percent) was observed in the suicide death rate for the study period.

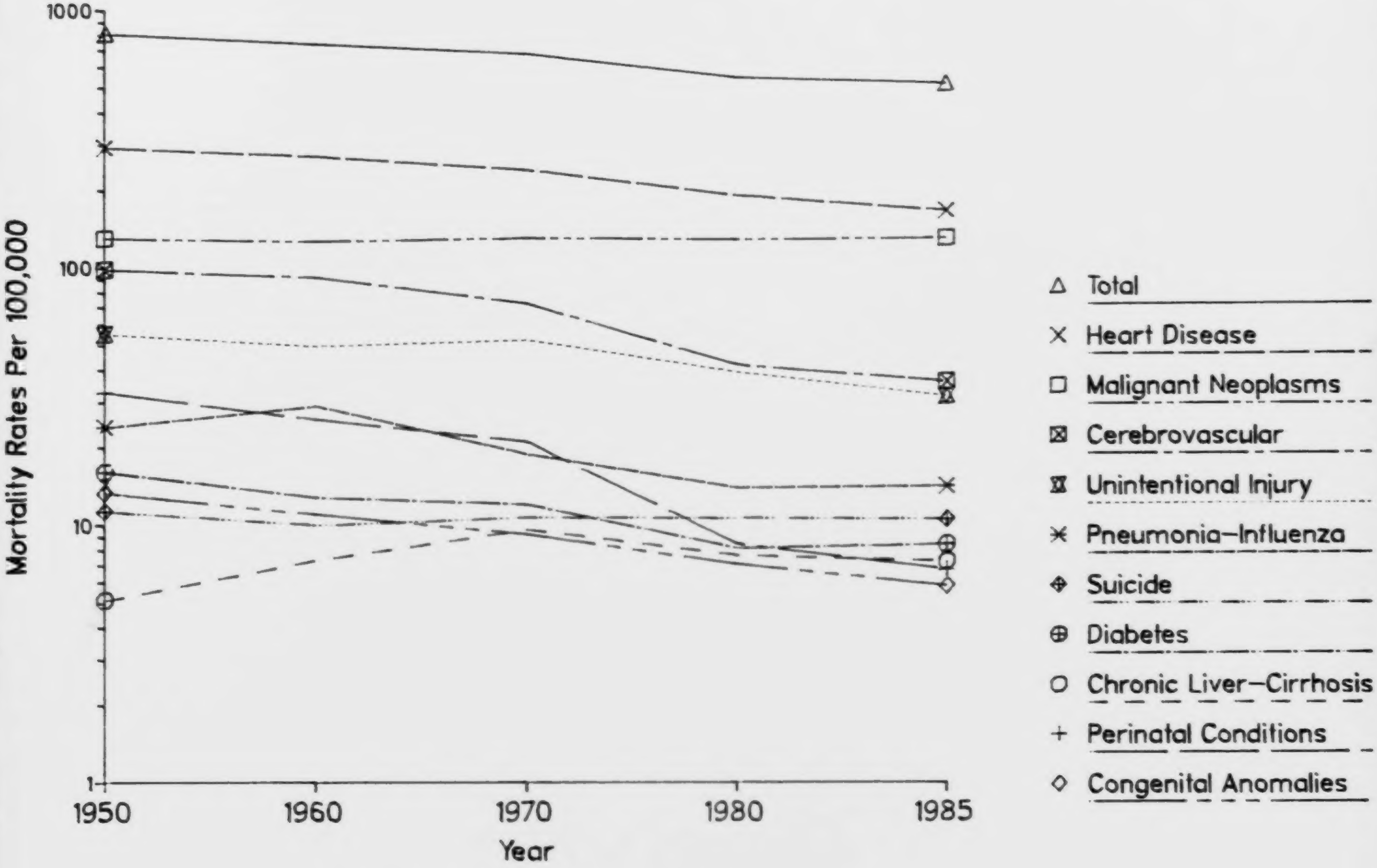
The only apparent increases in the ten major cause categories were in chronic liver disease and cirrhosis and malignant neoplasms. A 41 percent increase was observed in chronic liver disease rates, and the malignant neoplasm rate rose less than one percent.

Table 1
STANDARDIZED MORTALITY RATES PER 100,000 POPULATION BY SELECTED CAUSES OF DEATH MINNESOTA RESIDENTS, 1950-1985

Selected Causes of Death	Year 1950	1960	1970	1980	1985	% Change 1950-1985
Total	808.3	739.2	674.0	542.9	514.5	-36.3
Heart Disease	292.3	269.8	239.0	189.8	165.2	-43.5
Malignant Neoplasms	129.6	126.1	130.0	127.8	129.7	+ 0.1
Cerebrovascular	98.0	91.6	72.2	41.5	35.9	-63.4
Unintentional Injury	55.1	49.5	52.3	39.0	31.5	-42.8
Pneumonia & Influenza	24.0	29.0	18.8	13.9	14.1	-41.3
Suicide	11.3	10.0	10.7	10.6	10.5	- 7.1
Diabetes	16.1	12.8	12.0	8.1	8.4	-47.8
Chronic Liver Disease and Cirrhosis	5.1	7.3	9.6	7.6	7.2	+41.2
Certain Condition Originating in the Perinatal Period	32.7	25.7	21.0	8.4	6.7	-79.5
Congenital Anomalies	13.3	11.0	9.2	7.0	5.8	-56.4

Figure 9

STANDARDIZED MORTALITY RATES* FOR SELECTED CAUSES OF DEATH MINNESOTA RESIDENTS, 1950 – 1985



*Note that the death rate scale is logarithmic in form.

MARRIAGES AND DIVORCES

Marriage and Divorce Rates, 1930-1985

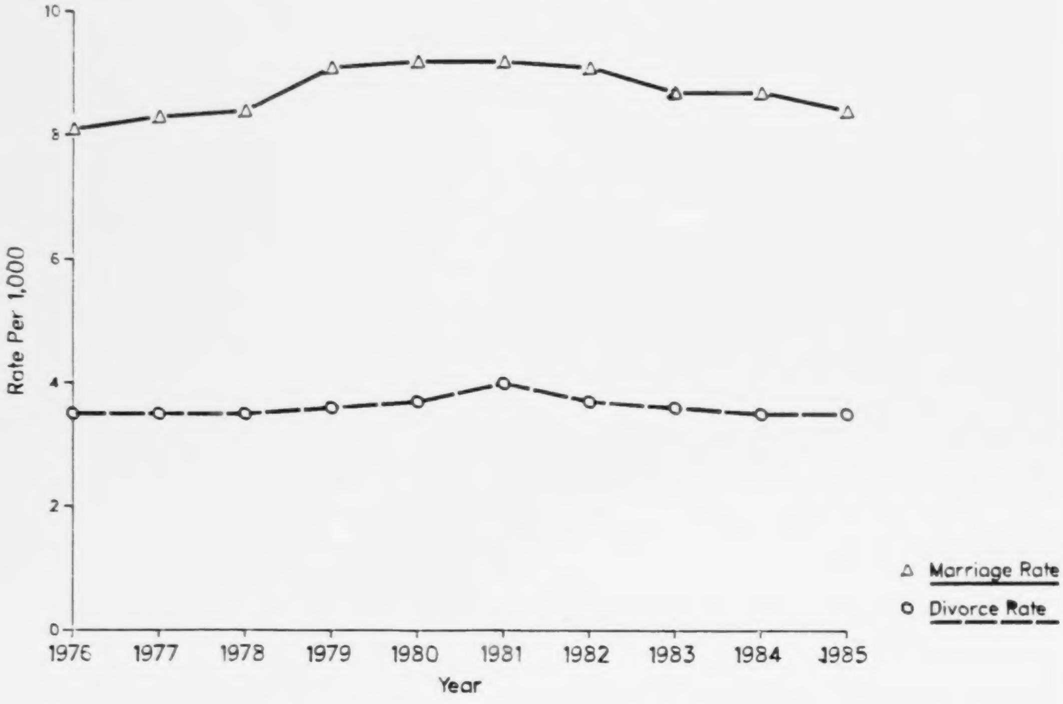
Figures 10 and 11 illustrate changes in marriage and divorce rates over time. Only slight annual variations appear for the past decade as Figure 10 indicates, with marriage showing its largest rate increase between 1978 and 1979 when the rate rose from 8.4 to 9.1 per 1,000 population (an eight percent increase). The largest annual fluctuation in the divorce rate between 1976 and 1985 occurred between 1980 and 1981 when the rate increased 8.1 percent from 3.7 to 4.0 per 1,000 population.

Figure 11 depicts overall Minnesota and United States marriage and divorce rates in the past half century. On the whole, marriage rates have shown marked variability.

Minnesota marriage rates jumped 19 percent in the decade between 1960 and 1970, and 12 percent between 1970 and 1980, but fell nearly nine percent

Figure 10

MARRIAGE AND DIVORCE RATES PER 1,000 POPULATION
MINNESOTA OCCURRENCE, 1976 – 1985

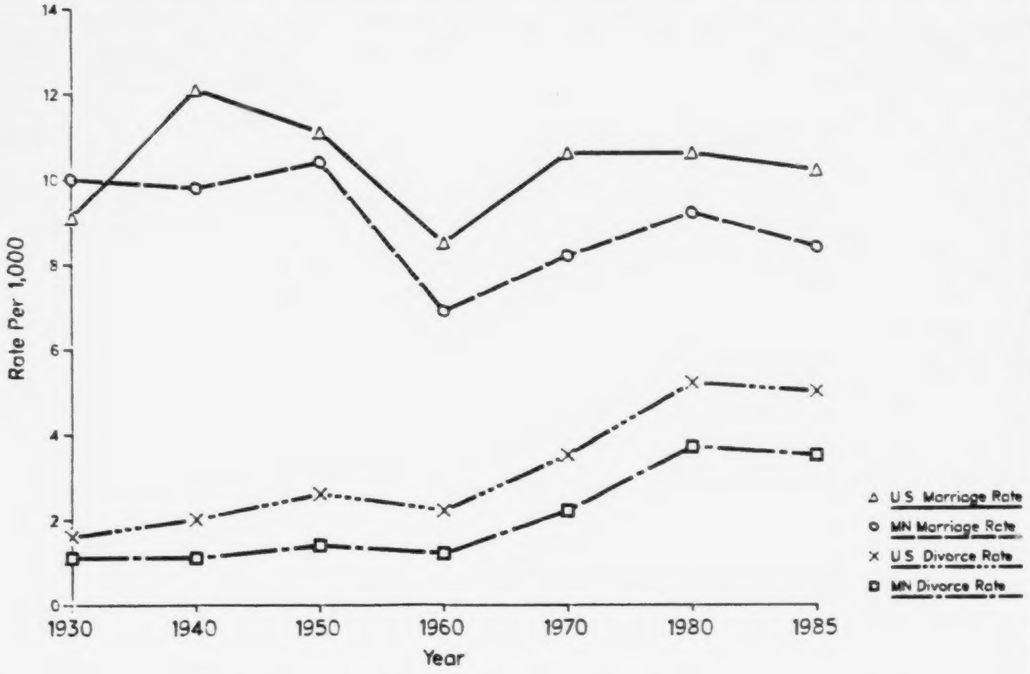


between 1980 and 1985. Similarly, the U.S. experienced a 25 percent increase between 1960 and 1970. However, the rate held steady in the 1970's and dropped slightly (four percent) between 1980 and 1985.

Divorce rates in Minnesota have followed the U.S. trend since 1930. The national divorce rate peaked at 5.2 per 1,000 population in 1980. Minnesota's highest year plotted in Figure 11 was also 1980--3.7. Both national and Minnesota divorce rates have more than tripled in the past half century, but Minnesota rates remain well below the U.S. rates.

Figure 11

MARRIAGE AND DIVORCE RATES PER 1,000 POPULATION
UNITED STATES AND MINNESOTA OCCURRENCE, 1930 – 1985

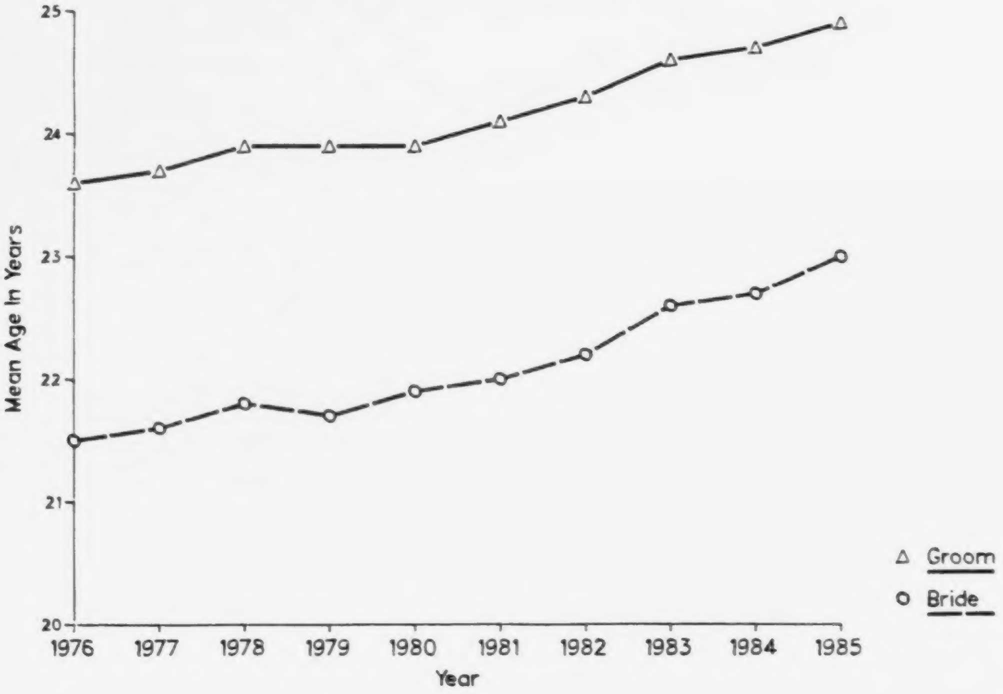


Mean Marital Ages

The mean age at first marriage has risen in the past decade for both grooms and brides (see Figure 12 below). The average groom's age gained only three tenths of a year between 1976 and 1980, but accelerated between 1980 and 1985, when the average age rose from 23.9 to 24.9 years. First time brides also showed the greatest increase in age between 1980 and 1985, climbing from 21.9 to 23.0 years.

Figure 12

MEAN REPORTED AGE AT FIRST MARRIAGE BY SEX
MINNESOTA OCCURRENCE, 1976 – 1985

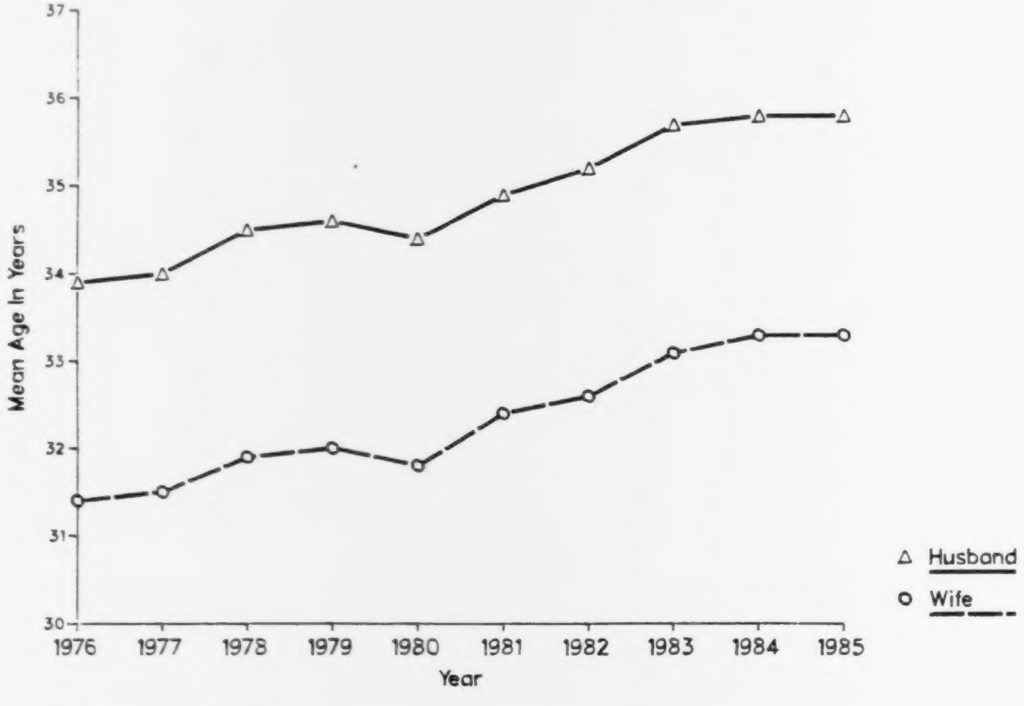


Mean Ages at Divorce

The mean ages of husband and wife at the time of divorce have risen steadily since 1976 with the exception of a slight drop in the 1980 data year (see Figure 13). The mean age of husbands increased from 33.9 in 1976 to 35.8 in 1985--a change of nearly two years. The mean age of wives also increased by 1.9 years in the ten-year period. On average, women were two and one half years younger than men at time of divorce throughout the decade.

Figure 13

MEAN REPORTED AGE UPON DIVORCE OR ANNULMENT BY SEX
MINNESOTA OCCURRENCE, 1976 – 1985



HOSPITAL UTILIZATION IN MINNESOTA, 1976-1985

Data applicable to hospital utilization over the decade 1976 through 1985 are shown in Table 2. The number of operating hospitals in Minnesota declined by seven overall between 1976 and 1985. The number of licensed beds decreased steadily from 19,620 in 1976 to 18,126 in 1983--a 7.2 percent decline. However licensed beds increased by 14 percent in 1984 even though the total number of operating hospitals (169) was the lowest in the ten-year period. Admissions fell four percent between 1976 and 1979, rose by two percent in 1980 and declined for the next five years. A total decrease of nearly 18 percent was observed between 1976 admissions of 663,152 and the 545,205 admissions of 1985.

Percentage of occupancy followed a pattern similar to the trend in admissions. Occupancy fell from 62.9 percent in 1976 to 60.8 percent by 1979. The percent of occupancy showed a slight increase in 1980 and then dropped to a low of 44.7 percent in 1985. The overall drop represented a 29 percent decrease in percent occupancy.

The average length of stay also dipped by eight tenths of a day as the average number of days per hospital stay declined from 6.9 in 1976 to 6.1 in 1985.

Table 2
SELECTED CAPACITY AND UTILIZATION DATA,
GENERAL LICENSED AND OPERATING HOSPITALS,
MINNESOTA 1976-1985

Year	Number of Hospitals	Licensed Beds		Admissions		Percent Occupancy	Average Length of Stay in Days
		Number	Rate*	Number	Rate*		
1976	178	19,620	4.9	663,152	167	62.9	6.9
1977	178	19,463	4.9	656,146	165	61.6	6.7
1978	178	19,262	4.8	645,191	161	60.9	6.6
1979	175	19,100	4.7	638,329	157	60.8	6.7
1980	172	18,579	4.6	652,112	160	63.1	6.6
1981	171	18,383	4.5	643,168	157	62.9	6.6
1982	171	18,214	414	623,693	151	60.1	6.4
1983	170	18,126	4.4	611,444	147	57.3	6.2
1984	169	20,727	5.0	594,628	143	49.4	6.3
1985	171	20,314	4.8	545,205	130	44.7	6.1

* Rate per 1,000 population

OVERVIEW OF VITAL STATISTICS

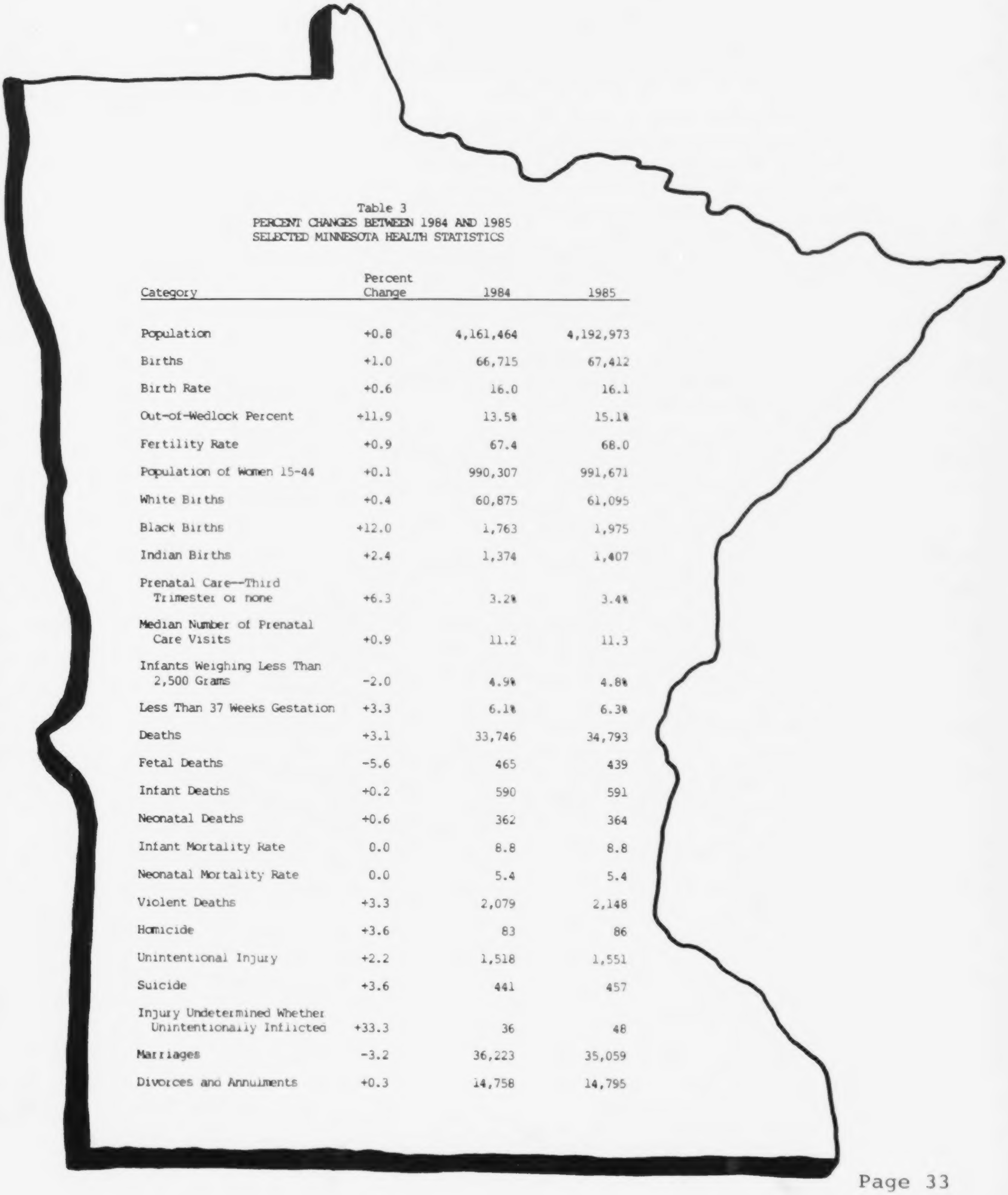


Table 3
PERCENT CHANGES BETWEEN 1984 AND 1985
SELECTED MINNESOTA HEALTH STATISTICS

Category	Percent Change	1984	1985
Population	+0.8	4,161,464	4,192,973
Births	+1.0	66,715	67,412
Birth Rate	+0.6	16.0	16.1
Out-of-Wedlock Percent	+11.9	13.5%	15.1%
Fertility Rate	+0.9	67.4	68.0
Population of Women 15-44	+0.1	990,307	991,671
White Births	+0.4	60,875	61,095
Black Births	+12.0	1,763	1,975
Indian Births	+2.4	1,374	1,407
Prenatal Care--Third Trimester or none	+6.3	3.2%	3.4%
Median Number of Prenatal Care Visits	+0.9	11.2	11.3
Infants Weighing Less Than 2,500 Grams	-2.0	4.9%	4.8%
Less Than 37 Weeks Gestation	+3.3	6.1%	6.3%
Deaths	+3.1	33,746	34,793
Fetal Deaths	-5.6	465	439
Infant Deaths	+0.2	590	591
Neonatal Deaths	+0.6	362	364
Infant Mortality Rate	0.0	8.8	8.8
Neonatal Mortality Rate	0.0	5.4	5.4
Violent Deaths	+3.3	2,079	2,148
Homicide	+3.6	83	86
Unintentional Injury	+2.2	1,518	1,551
Suicide	+3.6	441	457
Injury Undetermined Whether Unintentionally Inflicted	+33.3	36	48
Marriages	-3.2	36,223	35,059
Divorces and Annulments	+0.3	14,758	14,795

Table 4

RESIDENT LIVE BIRTHS, CRUDE BIRTH RATES*, AND FERTILITY RATES**, MINNESOTA AND UNITED STATES, 1940, 1945, 1950, 1955, 1960, 1965-1985

	Live Births		Crude Birth Rate*		Fertility Rate**	
Year	Minnesota	United States	Minnesota	United States	Minnesota	United States
1940	52,915	2,559,000	19.0	19.4	81.0	79.9
1945	54,656	2,858,000	20.9	20.4	85.1	85.9
1950	75,078	3,632,000	25.2	24.1	119.1	106.2
1955	81,532	4,097,000	25.7	25.0	130.1	118.3
1960	87,523	4,257,850	25.6	23.7	136.0	118.0
1965	70,810	3,760,358	19.7	19.4	105.9	96.3
1966	66,781	3,606,274	18.5	18.4	96.0	90.8
1967	64,532	3,520,959	17.6	17.8	96.8	87.2
1968	64,759	3,501,564	17.5	17.6	93.2	85.2
1969	65,961	3,600,206	17.6	17.9	90.5	86.1
1970	68,449	3,731,386	18.0	18.4	88.4	87.9
1971	62,498	3,555,970	16.2	17.2	78.2	81.6
1972	56,395	3,258,411	14.5	15.6	69.6	73.1
1973	53,783	3,136,965	13.8	14.8	65.4	68.8
1974	55,753	3,159,958	14.2	14.8	66.8	67.8
1975	56,463	3,144,198	14.4	14.6	65.4	66.0
1976	56,599	3,167,788	14.3	14.6	63.8	65.0
1977	60,284	3,326,632	15.2	15.1	66.8	66.8
1978	61,977	3,333,279	15.5	15.0	67.1	65.5
1979	65,325	3,494,398	16.1	15.6	69.0	67.2
1980	67,843	3,612,258	16.6	15.9	70.8	68.4
1981	68,652	3,629,238	16.7	15.8	71.0	67.4
1982	68,512	3,680,537	16.6	15.9	70.1	67.3
1983	65,559	3,638,933	15.8	15.5	66.8	65.8
1984	66,715	3,669,141	16.0	15.5	67.9	65.4
1985	67,412	3,760,561	16.1	15.8	68.0	66.2

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* Live Births per 1,000 Population

** Live Births per 1,000 Female Population of Ages 15-44

Table 5
NUMBERS AND RATES OF RESIDENT LIVE BIRTHS, DEATHS, AND MATERNAL DEATHS
MINNESOTA AND UNITED STATES,
1940, 1945, 1950, 1955, 1960, 1965-1985

	Live Births				Deaths				Maternal Deaths			
	Minnesota		United States		Minnesota		United States		Minnesota		United States	
Year	Number	Rate*	Number	Rate*	Number	Rate**	Number	Rate**	Number	Rate***	Number	Rate***
1940	52,915	19.0	2,559,000	19.4	26,354	9.4	1,417,269	10.8	115	217.3	8,876	376.0
1945	54,656	20.9	2,858,000	20.4	26,763	10.2	1,401,719	10.6	75	137.2	5,668	207.2
1950	75,078	25.2	3,632,000	24.1	27,897	9.4	1,452,454	9.6	43	57.3	2,960	83.3
1955	81,532	25.7	4,097,000	25.0	28,574	9.0	1,528,717	9.3	27	33.1	1,901	47.0
1960	87,523	25.6	4,257,850	23.7	31,596	9.3	1,711,982	9.5	13	14.9	1,579	37.1
1965	70,810	19.7	3,760,358	19.4	32,477	9.0	1,828,136	9.4	12	16.8	1,189	31.6
1966	66,781	18.5	3,606,274	18.4	33,222	9.2	1,863,149	9.5	12	18.0	1,049	29.1
1967	64,532	17.6	3,520,959	17.8	32,917	9.0	1,851,323	9.4	6	9.3	987	28.0
1968	64,759	17.5	3,501,564	17.6	33,890	9.2	1,930,082	9.7	5	7.7	859	24.5
1969	65,961	17.6	3,600,206	17.9	33,791	9.0	1,921,990	9.5	11	16.7	801	22.2
1970	68,449	18.0	3,731,386	18.4	33,919	8.9	1,921,031	9.5	9	13.1	803	21.5
1971	62,498	16.2	3,555,970	17.2	33,871	8.8	1,927,542	9.3	14	22.4	668	18.8
1972	56,395	14.5	3,258,411	15.6	34,565	8.9	1,963,944	9.4	4	7.1	612	18.8
1973	53,783	13.8	3,136,965	14.8	33,899	8.7	1,973,003	9.3	4	7.4	477	15.2
1974	55,753	14.2	3,159,958	14.8	33,501	8.6	1,934,388	9.1	4	7.2	462	14.6
1975	56,463	14.4	3,144,198	14.6	32,686	8.3	1,892,879	8.8	3	5.3	403	12.8
1976	56,599	14.3	3,167,788	14.6	32,798	8.3	1,909,440	8.8	2	3.5	390	12.3
1977	60,284	15.2	3,326,632	15.1	32,281	8.1	1,899,597	8.6	4	6.6	373	11.2
1978	61,977	15.5	3,333,279	15.0	33,312	8.3	1,927,788	8.7	6	9.7	321	9.6
1979	65,325	16.1	3,494,398	15.6	32,082	7.9	1,913,841	8.5	3	4.6	336	9.6
1980	67,843	16.6	3,612,258	15.9	33,415	8.2	1,989,841	8.8	4	5.9	334	9.2
1981	68,652	16.7	3,629,238	15.8	32,815	8.0	1,977,981	8.6	2	2.9	309	8.5
1982	68,512	16.6	3,680,537	15.9	32,976	8.0	1,974,797	8.5	3	4.4	292	7.9
1983	65,559	15.8	3,638,933	15.5	33,902	8.2	2,019,201	8.6	2	3.1	290	8.0
1984	66,715	16.0	3,669,141	15.5	33,746	8.1	2,039,369	8.6	3	7.5	285	7.8
1985	67,412	16.1	3,749,000+	15.7+	34,793	8.3	2,086,440	8.7	3	4.5	295	7.8

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* Live Births per 1,000 Population
** Deaths per 1,000 Population
*** Maternal Deaths per 100,000 Live Births
+ Provisional Data

Table 6
NUMBERS AND RATES OF INFANT DEATHS, NEONATAL DEATHS, AND FETAL DEATHS
MINNESOTA AND UNITED STATES,
1940, 1945, 1950, 1955, 1960, 1965-1985

	Infant Deaths				Neonatal Deaths				Fetal Deaths			
	Minnesota		United States		Minnesota		United States		Minnesota		United States	
Year	Number	Rate*	Number	Rate*	Number	Rate**	Number	Rate**	Number	Rate***	Number	Rate***
1940	1,772	33.3	110,984	47.0	1,246+	23.4	67,866	28.8	1,144+	21.5	73,802	31.3
1945	1,698	31.1	104,684	38.3	1,226+	22.6	66,593	24.3	1,141	20.9	65,513	23.9
1950	1,876	25.0	103,825	29.2	1,430	19.0	72,855	20.5	1,208	16.1	68,262	19.2
1955	1,779	21.8	106,903	26.4	1,386	17.0	77,351	19.1	1,173	14.4	69,153	17.1
1960	1,881	21.5	110,873	26.0	1,397	16.0	79,733	18.7	1,058	12.1	68,480	16.1
1965	1,432	20.2	92,866	24.7	1,075	15.2	66,419	17.7	921	13.0	60,859	16.2
1966	1,299	19.5	85,516	23.7	987	14.8	61,941	17.2	819	12.3	56,637	15.7
1967	1,288	20.0	79,028	22.4	980	15.2	58,127	16.5	712	11.0	54,934	15.6
1968	1,192	18.4	76,263	21.8	894	13.8	56,456	16.1	740	11.4	55,293	15.8
1969	1,110	16.8	75,073	20.9	876	13.3	56,085	15.6	681	10.3	50,749	14.1
1970	1,203	17.6	74,667	20.0	944	13.8	56,279	15.1	705	10.3	52,961	14.2
1971	1,081	17.3	67,981	19.1	829	13.3	50,496	14.2	594	9.5	47,818	13.4
1972	946	16.8	60,182	18.5	704	12.5	44,432	13.6	533	9.5	41,380	12.7
1973	831	15.5	55,581	17.7	630	11.7	40,664	13.0	481	8.9	38,309	12.2
1974	809	14.5	52,776	16.7	598	10.7	38,738	12.3	523	9.4	36,281	11.5
1975	771	13.7	50,525	16.1	582	10.3	36,416	11.6	479	8.5	33,796	10.7
1976	789	13.9	48,265	15.2	565	10.9	34,587	10.9	487	8.6	33,111	10.5
1977	664	11.0	46,975	14.1	478	7.9	32,860	9.9	471	7.8	33,053	9.9
1978	739	11.9	45,945	13.8	513	8.3	31,618	9.5	468	7.6	32,301	9.7
1979	700	10.7	45,665	13.1	469	7.2	30,980	8.9	445	6.8	32,969	9.4
1980	679	10.0	45,526	12.6	421	6.2	30,618	8.5	449	6.6	33,353	9.2
1981	701	10.2	43,305	11.9	448	6.5	29,121	8.0	461	6.7	32,596	9.0
1982	645	9.4	42,401	11.5	402	5.9	28,335	7.7	429	6.3	NA	NA
1983	645	9.8	40,627	11.2	410	6.3	26,507	7.3	457	7.0	NA	NA
1984	590	8.8	39,580	10.8	362	5.4	25,691	7.0	465	7.0	NA	NA
1985	591	8.8	40,030	10.6	364	5.4	26,179	7.0	439	6.5	NA	NA

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* Infant Deaths per 1,000 Live Births
** Neonatal Deaths per 1,000 Live Births
*** Fetal Deaths per 1,000 Live Births
+ Place of Occurrence

Table 7
MARRIAGES AND DIVORCES AND ANNULMENTS, NUMBERS AND RATES*
MINNESOTA AND UNITED STATES, 1940, 1945, 1950, 1955, 1960, 1965-1985

	Marriages				Divorces			
	Minnesota		United States		Minnesota		United States	
	#	Rate*	#	Rate*	#	Rate**	#	Rate**
1940	27,419	9.8	1,595,879	12.1	2,957	1.1	264,000	2.0
1945	26,195	10.0	1,612,992	12.2	5,326	2.0	485,000	3.5
1950	30,991	10.4	1,667,231	11.1	4,049	1.4	385,000	2.6
1955	24,854	7.8	1,531,000	9.3	3,757	1.2	377,000	2.3
1960	23,596	6.9	1,523,000	8.5	4,175	1.2	393,000	2.2
1965	26,472	7.4	1,800,000	9.3	4,848	1.3	479,000	2.5
1966	26,566	7.3	1,857,000	9.5	5,457	1.5	499,000	2.5
1967	28,163	7.7	1,927,000	9.7	6,148	1.7	523,000	2.6
1968	30,671	8.3	2,069,000	10.4	6,646	1.8	584,000	2.9
1969	31,971	8.5	2,145,000	10.6	7,496	2.0	639,000	3.2
1970	31,280	8.2	2,158,802	10.6	8,221	2.2	708,000	3.5
1971	31,196	8.1	2,190,481	10.6	9,494	2.5	773,000	3.7
1972	32,227	8.3	2,282,154	10.9	10,214	2.6	845,000	4.0
1973	32,996	8.5	2,284,108	10.8	11,113	2.9	915,000	4.3
1974	33,547	8.6	2,229,667	10.5	12,204	3.1	977,000	4.6
1975	32,237	8.2	2,152,662	10.0	13,147	3.3	1,036,000	4.8
1976	32,027	8.1	2,154,807	9.9	13,764	3.5	1,083,000	5.0
1977	33,040	8.3	2,178,367	9.9	13,852	3.5	1,091,000	5.0
1978	33,480	8.4	2,282,272	10.3	14,183	3.5	1,130,000	5.1
1979	37,020	9.1	2,331,337	10.4	14,542	3.6	1,181,000	5.3
1980	37,625	9.2	2,390,252	10.6	15,092	3.7	1,189,000	5.2
1981	37,638	9.2	2,422,145	10.6	16,329	4.0	1,213,000	5.3
1982	37,409	9.1	2,456,278	10.6	15,177	3.7	1,170,000	5.0
1983	36,259	8.7	2,445,604	10.5	14,789	3.6	1,158,000	4.9
1984	36,223	8.7	2,487,000***	10.5***	14,758	3.5	1,169,000	5.0
1985	35,059	8.4	2,425,000***	10.2***	14,795	3.5	1,187,000***	5.0***

* Marriages per 1,000 Population
** Divorces and Annulments per 1,000 Population
*** Provisional Data

Table 8
BIRTHS, DEATHS, INFANT DEATHS, FETAL DEATHS, MARRIAGES, DIVORCES AND ANNULMENTS BY MONTH
MINNESOTA OCCURRENCES, 1985

	Births	Deaths	Infant Deaths	Fetal Deaths	Marriages	Divorces and Annulments
Total	67,523	35,058	632	448	35,059	14,795
January	5,383	3,329	61	44	1,026	1,237
February	5,087	2,937	49	31	1,461	1,042
March	5,935	3,016	65	46	1,651	1,110
April	5,832	2,818	63	29	2,299	1,289
May	5,959	2,871	54	40	3,368	1,285
June	5,735	2,741	59	47	5,612	1,161
July	5,812	2,823	39	29	3,060	1,239
August	5,771	2,597	38	48	4,848	1,266
September	5,724	2,754	50	24	4,185	1,092
October	5,667	3,032	49	40	3,267	1,345
November	5,243	2,953	40	36	2,307	1,269
December	5,375	3,187	65	34	1,975	1,460
Unknown	-	-	-	-	-	-

Table 9
LIVE BIRTHS, FETAL DEATHS, DEATHS, INFANT DEATHS, AND NEONATAL DEATHS BY URBAN AREA OF RESIDENCE, MINNESOTA, 1985

Urban Area*	Live Births	Fetal Deaths	Deaths	Infant Deaths	Neonatal Deaths
Afton	23	1	9	-	-
Albert Lea	254	1	207	5	3
Alexandria	133	-	167	1	1
Andover	156	2	23	3	2
Anoka	380	3	112	4	2
Apple Valley	463	4	70	4	3
Arden Hills	117	-	77	1	-
Aurora	19	-	35	-	-
Austin	290	1	293	2	1
Baxter	35	-	10	-	-
Bayport	17	1	21	-	-
Belle Plaine	46	1	47	-	-
Bemidji	169	1	118	1	-
Benson	46	1	55	2	1
Blaine	711	5	80	6	5
Bloomington	1,086	7	504	5	3
Blue Earth	50	1	82	-	-
Brainerd	217	1	183	5	1
Breckenridge	45	2	65	1	1
Brooklyn Center	447	-	213	7	4
Brooklyn Park	1,171	8	129	11	7
Buffalo	119	-	74	1	1
Burnsville	691	2	112	5	1
Caledonia	38	-	44	-	-
Cambridge	75	2	56	1	1
Cannon Falls	61	-	39	-	-
Champlin	265	-	40	3	3
Chanhassen	135	1	30	1	1
Chaska	246	2	50	2	-
Chisholm	52	1	77	3	3
Circle Pines	124	3	18	2	2
Cloquet	201	1	115	2	2
Columbia Heights	280	-	175	1	-
Coon Rapids	757	5	174	5	3
Corcoran	72	-	8	-	-
Cottage Grove	307	3	43	-	-
Crookston	123	1	97	3	2
Crystal	345	4	167	4	3
Dayton	57	-	5	-	-
Deephaven	54	-	16	-	-
Detroit Lakes	103	-	119	1	-
Dilworth	50	-	10	-	-
Duluth	1,324	13	1,088	16	12
Eagan	747	2	70	7	6
East Bethel	101	-	16	1	-
East Grand Forks	206	1	70	2	1
Eden Prairie	520	6	76	3	2
Edina	418	1	404	6	3
Elk River	146	3	66	3	1
Ely	54	-	90	-	-

Table 9
LIVE BIRTHS, FETAL DEATHS, DEATHS, INFANT DEATHS, AND NEONATAL DEATHS
BY URBAN AREA OF RESIDENCE, MINNESOTA, 1985 (CONT.)

Urban Area*	Live Births	Fetal Deaths	Deaths	Infant Deaths	Neonatal Deaths
Eveleth	66	-	71	-	-
Excelsior	78	-	45	-	-
Fairmont	172	1	157	4	1
Falcon Heights	109	1	27	-	-
Faribault	281	5	182	5	2
Farmington	122	2	37	1	1
Fergus Falls	187	2	172	2	2
Forest Lake	144	1	86	3	2
Fridley	410	3	161	3	3
Gilbert	29	-	27	-	-
Glencoe	71	-	66	-	-
Glenwood	36	-	53	-	-
Golden Valley	233	1	197	-	-
Goodview	5	-	6	-	-
Grand Rapids	124	-	122	1	-
Granite Falls	43	-	47	1	1
Ham Lake	115	-	24	1	-
Hastings	228	2	126	3	1
Hermantown	11	-	12	-	-
Hibbing	238	1	233	-	-
Hopkins	248	1	168	2	2
Hoyt Lakes	28	-	13	-	-
Hugo	68	-	15	-	-
Hutchinson	175	2	110	3	3
Independence	25	-	4	-	-
International Falls	91	1	92	1	1
Inver Grove Heights	383	2	88	4	2
Jackson	44	-	67	-	-
Jordan	69	2	20	-	-
Kasson	62	1	16	3	3
La Crescent	69	-	44	-	-
Lake City	39	2	53	-	-
Lake Elmo	86	-	19	-	-
Lakeville	277	1	41	7	4
Le Sueur	61	-	64	-	-
Lino Lakes	139	-	14	1	-
Litchfield	92	-	96	-	-
Little Canada	144	1	46	1	-
Little Falls	109	1	110	1	1
Long Prairie	44	-	58	1	-
Luverne	69	-	73	2	1
Mahtomedi	89	-	30	1	1
Mankato	427	3	214	4	3
Maple Grove	649	2	47	8	8
Maplewood	418	7	230	2	-
Marshall	205	-	85	2	1
Medina	37	-	10	-	-
Mendota Heights	73	1	41	-	-
Minneapolis	6,615	49	3,934	61	38
Minnetonka	527	4	201	3	1

Table 9
LIVE BIRTHS, FETAL DEATHS, DEATHS, INFANT DEATHS, AND NEONATAL DEATHS BY URBAN AREA OF RESIDENCE, MINNESOTA, 1985 (CONT.)

Urban Area*	Live Births	Fetal Deaths	Deaths	Infant Deaths	Neonatal Deaths
Minnetrista	29	-	5	-	-
Montevideo	90	1	94	-	-
Monticello	120	-	33	1	1
Moorhead	426	3	210	8	3
Mora	40	-	51	-	-
Morris	67	-	56	-	-
Mound	187	2	53	-	-
Mounds View	231	-	32	1	1
Mountain Iron	29	2	25	1	1
New Brighton	358	3	158	4	2
New Hope	289	3	223	1	-
New Prague	64	-	60	1	1
New Ulm	203	2	116	2	2
Newport	74	2	18	-	-
North Mankato	161	1	39	2	-
North Oaks	25	-	9	-	-
North St. Paul	201	1	70	2	1
Northfield	183	1	97	-	-
Oak Park Heights	18	-	10	-	-
Oakdale	236	2	48	3	3
Olivia	56	-	38	-	-
Orono	54	-	19	2	2
Ortonville	26	-	38	-	-
Osseo	62	-	34	-	-
Owatonna	305	1	135	2	1
Park Rapids	41	1	80	1	-
Pipestone	57	-	86	-	-
Plymouth	623	4	123	4	2
Princeton	60	-	40	-	-
Prior Lake	223	-	43	2	-
Proctor	34	1	36	-	-
Ramsey	125	1	18	2	1
Red Wing	198	-	171	2	1
Redwood Falls	76	-	64	1	-
Richfield	504	4	271	3	3
Robbinsdale	222	1	154	-	-
Rochester	1,406	8	476	21	14
Rosemount	149	-	25	1	1
Roseville	359	1	269	1	1
Saint Anthony	70	1	80	-	-
Saint Cloud	742	5	310	8	5
Saint James	75	1	61	-	-
Saint Joseph	36	-	14	2	2
Saint Louis Park	625	8	432	3	2
Saint Paul	5,142	34	2,786	38	26
Saint Paul Park	83	-	26	1	1
Saint Peter	118	-	84	-	-
Sartell	78	-	45	3	2
Sauk Centre	65	-	47	1	-
Sauk Rapids	171	1	56	-	-

Table 9
LIVE BIRTHS, FETAL DEATHS, DEATHS, INFANT DEATHS, AND NEONATAL DEATHS BY URBAN AREA OF RESIDENCE, MINNESOTA, 1985 (CONT.)

Urban Area*	Live Births	Fetal Deaths	Deaths	Infant Deaths	Neonatal Deaths
Savage	152	-	23	2	2
Shakopee	196	1	91	4	2
Shoreview	341	1	59	1	1
Shorewood	37	-	10	-	-
Silver Bay	17	1	8	-	-
Sleepy Eye	66	-	56	1	1
South International Falls	26	-	16	-	-
South St. Paul	363	2	181	4	3
Spring Lake Park	106	2	31	3	1
Spring Valley	41	-	33	2	1
Staples	43	1	73	1	1
Stewartville	97	2	35	-	-
Stillwater	273	4	154	3	1
Thief River Falls	126	-	116	3	1
Two Harbors	55	-	71	1	-
Vadnais Heights	211	1	19	3	3
Virginia	113	1	147	-	-
Waconia	39	-	49	-	-
Wadena	59	-	58	-	-
Waite Park	102	1	37	1	-
Waseca	159	1	79	4	2
Wayzata	102	1	63	1	-
Wells	33	-	31	-	-
West St. Paul	259	1	239	-	-
White Bear Lake	505	3	172	2	1
Willmar	264	-	144	1	1
Windom	64	-	50	2	2
Winona	359	4	277	4	1
Woodbury	294	2	48	-	-
Worthington	130	-	120	-	-

* Municipalities with population of 2,500 or more

LIVE BIRTHS

Every day in 1985, residents of Minnesota experienced an average of:

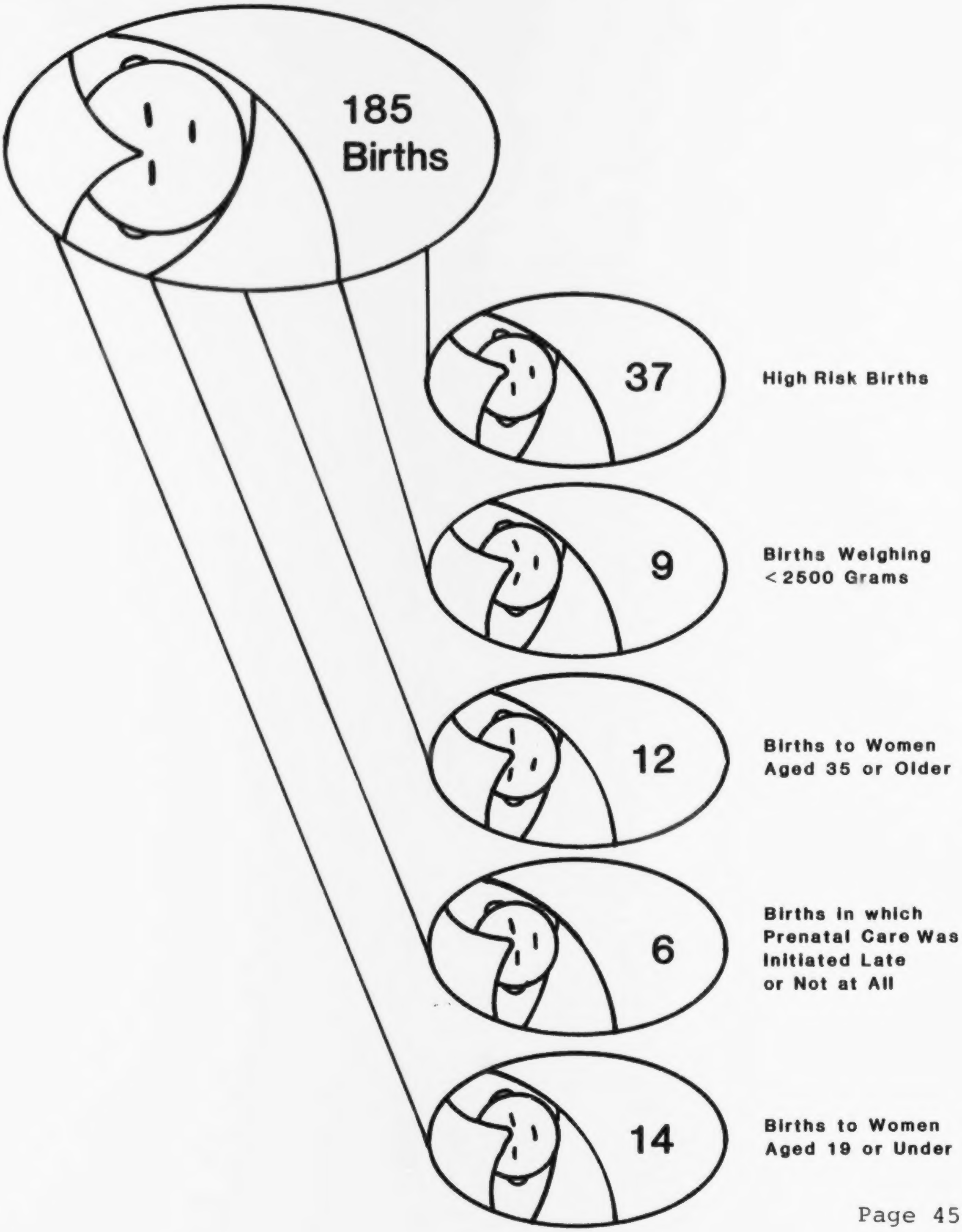

Table 10
LIVE BIRTHS BY COUNTY OF OCCURRENCE DISTRIBUTED ACCORDING TO RESIDENCE, RESIDENT LIVE BIRTHS DISTRIBUTED ACCORDING TO PLACE OF BIRTH, MINNESOTA, 1985

	Births Occurring in County				Resident Births		
					Outside County		
County	Total	County Residents	Other Minnesota Residents	Out of State Residents	Within Minnesota	Outside Minnesota	Total
State Total	67,523	46,554	18,960	2,009	18,960	1,898	67,412
Aitkin	90	84	6	-	81	-	165
Anoka	4,102	2,386	1,713	3	1,375	5	3,766
Becker	431	338	92	1	63	64	465
Beltrami	916	606	309	1	24	-	630
Benton	1	1	-	-	493	2	496
Big Stone	166	73	32	61	12	4	89
Blue Earth	1,215	722	489	4	60	2	784
Brown	599	398	200	1	45	1	444
Carlton	300	206	93	1	226	-	432
Carver	727	321	406	-	472	-	793
Cass	5	5	-	-	343	6	354
Chippewa	191	104	84	3	95	-	199
Chisago	245	163	74	8	221	42	426
Clay	341	223	46	72	8	447	678
Clearwater	51	40	11	-	96	2	138
Cook	39	38	1	-	22	-	60
Cottonwood	162	127	35	-	55	1	183
Crow Wing	768	581	182	5	49	1	631
Dakota	2,111	1,645	400	66	2,362	7	4,014
Dodge	1	1	-	-	255	1	257
Douglas	565	411	153	1	40	-	451
Faribault	162	130	17	15	126	-	256
Fillmore	56	34	20	2	216	71	321
Freeborn	582	402	111	69	56	6	464
Goodhue	584	406	53	125	177	3	586
Grant	50	40	9	1	68	1	109
Hennepin	19,567	14,299	5,166	102	1,585	22	15,906
Minneapolis	10,997	4,727	6,196	74	1,875	13	6,615
Houston	49	39	6	4	8	245	292
Hubbard	230	130	98	2	92	5	227
Isanti	449	237	210	2	150	3	390
Itasca	589	517	72	-	92	2	611
Jackson	55	47	7	1	97	13	157
Kanabec	223	131	92	-	74	2	207
Kandiyohi	911	566	345	-	42	3	611
Kittson	76	53	21	2	20	17	90
Koochiching	156	148	8	-	24	12	184
Lac Qui Parle	100	91	4	5	65	2	158
Lake	87	69	15	3	61	-	130
Lake of the Woods	73	51	20	2	11	2	64
Le Sueur	71	56	15	-	315	1	372
Lincoln	84	48	18	18	37	11	96
Lyon	425	342	83	-	38	17	397
McLeod	563	368	194	1	131	1	500
Mahnomen	33	22	11	-	56	4	82
Marshall	39	37	2	-	94	61	192
Martin	399	310	32	57	28	9	347
Meeker	167	141	26	-	191	-	332
Mille Lacs	406	232	173	1	54	-	286
Morrison	425	344	81	-	111	-	455
Mower	468	396	63	9	110	9	515

Table 10
LIVE BIRTHS BY COUNTY OF OCCURRENCE DISTRIBUTED ACCORDING TO RESIDENCE, RESIDENT LIVE BIRTHS DISTRIBUTED ACCORDING TO PLACE OF BIRTH, MINNESOTA, 1985 (CONT.)

	Births Occurring in County				Resident Births		
					Outside County		
County	Total	County Residents	Other Minnesota Residents	Out of State Residents	Within Minnesota	Outside Minnesota	Total
Murray	75	66	9	-	61	8	135
Nicollet	132	86	46	-	330	-	416
Nobles	405	211	155	39	48	37	296
Norman	11	8	-	3	32	60	100
Olmsted	2,787	1,808	921	58	24	2	1,834
Otter Tail	646	562	82	2	180	33	775
Pennington	352	195	156	1	10	13	218
Pine	51	48	3	-	247	16	311
Pipestone	132	103	27	2	16	30	149
Polk	300	232	67	1	25	276	533
Pope	93	77	16	-	71	-	148
Ramsey	9,422	6,051	3,164	207	2,174	17	8,242
St. Paul	9,085	4,002	4,880	203	1,125	15	5,142
Red Lake	14	14	-	-	58	6	78
Redwood	214	165	49	-	135	2	302
Renville	147	135	9	3	176	3	314
Rice	690	552	138	-	158	-	710
Rock	168	112	49	7	12	29	153
Roseau	224	201	10	13	36	19	256
St. Louis	3,417	2,549	431	437	61	16	2,626
Duluth	2,412	1,292	686	434	21	11	1,324
Scott	1,031	502	528	1	406	1	909
Sherburne	1	1	-	-	591	-	592
Sibley	81	75	6	-	148	-	223
Stearns	2,693	1,777	915	1	174	1	1,952
Steele	404	346	56	2	123	1	470
Stevens	160	128	31	1	22	1	151
Swift	89	78	11	-	77	-	155
Todd	220	159	60	1	240	2	401
Traverse	78	43	13	22	21	10	74
Wabasha	221	137	26	58	166	-	303
Wadena	382	163	219	-	48	3	214
Waseca	203	164	37	2	124	1	289
Washington	706	423	155	128	1,575	14	2,012
Watonwan	182	151	30	1	41	-	192
Wilkin	378	76	11	291	10	17	103
Winona	568	454	46	68	101	170	725
Wright	537	423	114	-	646	1	1,070
Yellow Medicine	204	120	72	12	67	2	189
Unknown	-	-	-	-	-	-	-

Table 11
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*
MINNESOTA, 1985

	State	Aitkin	Anoka	Becker	Beltrami	Benton	Big Stone	Blue Earth
Live Births	67,412	165	3,766	465	630	496	89	784
Fertility Rate	68.0	70.3	66.0	76.5	79.9	77.6	74.6	55.3
Birth Rate	16.1	12.3	17.5	14.9	18.6	18.4	11.2	14.7
Sex: Male	34,465	71	1,913	255	311	256	38	397
Female	32,947	94	1,853	210	319	240	51	387
Out-of-Wedlock, Percent	15.1	13.9	13.4	20.9	32.9	12.5	10.1	13.8
Race: White	61,095	158	3,011	387	447	491	88	766
Black	1,975	-	20	-	3	2	-	6
Indian	1,407	5	22	76	177	2	1	1
Live Birth Order								
Median	2.3	2.5	2.3	2.7	2.4	2.4	2.5	2.4
% 5th or over	3.5	4.8	1.6	6.7	6.3	4.4	3.4	3.7
Prematurity, Percent								
Less than 37 weeks	6.3	3.0	3.5	7.3	9.0	5.6	4.5	7.3
Less than 2,500 grams	4.8	1.8	4.8	6.0	3.5	3.8	2.2	4.2
Plurality:								
Single	66,043	165	3,675	453	622	488	89	768
Twin	1,311	-	85	12	8	8	-	16
Triplet	57	-	6	-	-	-	-	-
Mother's Age, Percent								
Under 18	2.3	3.0	2.1	3.4	6.0	1.8	2.2	2.0
18-19	5.2	6.1	5.2	9.0	9.5	4.4	7.9	4.7
40 and over	.7	1.8	.3	1.3	.3	.6	1.1	.9
Mother's Education, Percent								
Less than 12 years	8.9	10.3	5.5	14.8	18.1	7.1	15.7	9.2
Over 3 years college	18.2	12.7	8.1	6.2	16.2	14.9	6.7	21.4
Prenatal Care Began, Percent								
3rd Trimester or none	3.4	1.8	1.8	3.0	6.0	1.6	6.7	1.4
Prenatal Care Visits								
Median	11.3	10.8	11.6	10.8	10.3	11.5	11.0	12.5
Congenital Anomalies, Percent	1.2	1.8	.6	1.7	1.7	.6	1.1	.9
High Risk, Percent	19.9	22.4	13.7	23.7	22.4	15.7	21.3	17.1
Other Significant Conditions of Child, Percent	4.6	3.6	3.1	8.2	4.1	3.0	1.1	2.7
Infant Deaths								
Total	591	2	39	3	3	3	1	11
White	543	2	38	2	3	3	1	11
Black	31	-	1	-	-	-	-	-
Indian	9	-	-	1	-	-	-	-
Neonatal Deaths								
Total	364	-	25	-	1	1	1	7
White	334	-	25	-	1	1	1	7
Black	20	-	-	-	-	-	-	-
Indian	5	-	-	-	-	-	-	-
First Day Deaths								
Total	216	-	17	-	1	-	1	5
White	195	-	17	-	1	-	1	5
Black	15	-	-	-	-	-	-	-
Indian	4	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	90	-	5	-	-	1	-	-
White	88	-	5	-	-	1	-	-
Black	1	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	58	-	3	-	-	-	-	2
White	51	-	3	-	-	-	-	2
Black	4	-	-	-	-	-	-	-
Indian	1	-	-	-	-	-	-	-
Fetal Deaths								
Total	439	2	25	-	3	1	-	7
White	378	2	23	-	1	1	-	7
Black	21	-	-	-	-	-	-	-
Indian	10	-	1	-	2	-	-	-
Perinatal Rate	11.9	12.1	13.3	-	6.3	4.0	11.2	17.9
Maternal Deaths	3	-	-	-	-	-	-	-

Table 11

SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

	Brown	Carlton	Carver	Cass	Chippewa	Chisago	Clay	Clear-water
Live Births	444	432	793	354	199	426	678	138
Fertility Rate	70.2	73.6	80.8	98.9	75.2	70.5	52.8	88.0
Birth Rate	15.7	15.1	19.5	16.6	13.4	15.0	13.6	15.1
Sex: Male	215	220	395	185	102	218	374	63
Female	229	212	398	169	97	208	304	75
Out-of-Wedlock, Percent	8.8	17.6	9.1	25.7	9.0	15.0	14.6	18.8
Race: White	442	394	784	262	197	411	654	117
Black	-	-	1	-	1	3	4	-
Indian	1	37	2	90	-	4	19	21
Live Birth Order								
Median	2.3	2.3	2.3	2.6	2.3	2.4	2.2	2.6
% 5th or over	3.6	2.8	2.4	8.2	2.0	1.9	3.2	8.0
Prematurity, Percent								
Less than 37 weeks	3.8	9.0	6.4	5.9	5.5	7.5	6.5	13.0
Less than 2,500 grams	4.3	5.3	5.3	4.5	3.5	3.8	5.5	5.8
Plurality:								
Single	434	416	773	350	187	420	662	134
Twin	10	16	20	4	12	6	16	4
Triplet	-	-	-	-	-	-	-	-
Mother's Age, Percent								
Under 18	1.1	3.2	1.1	5.6	1.5	3.8	1.5	2.2
18-19	6.8	7.4	4.5	8.2	6.5	6.8	6.5	10.9
40 and over	.2	-	.5	-	.5	.9	.1	.7
Mother's Education, Percent								
Less than 12 years	1.6	11.1	4.7	17.2	5.5	9.6	8.0	18.8
Over 3 years college	7.4	13.2	18.4	11.0	6.0	10.1	17.3	8.7
Prenatal Care Began, Percent								
3rd Trimester or none	.5	3.0	3.2	4.2	4.5	4.5	3.1	3.6
Prenatal Care Visits								
Median	11.0	10.7	12.1	9.9	10.9	10.0	11.9	10.8
Congenital Anomalies, Percent	1.1	.7	1.8	1.4	2.5	1.6	1.8	.7
High Risk, Percent	22.5	19.2	19.3	21.8	26.6	18.3	13.3	21.7
Other Significant Conditions of Child, Percent	8.8	6.0	4.9	5.4	9.5	4.2	2.7	3.6
Infant Deaths								
Total	6	2	6	5	-	3	8	-
White	6	2	6	4	-	3	8	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	-	-
Neonatal Deaths								
Total	6	2	3	3	-	1	3	-
White	6	2	3	2	-	1	3	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	-	-
First Day Deaths								
Total	4	2	2	1	-	-	2	-
White	4	2	2	1	-	-	2	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	1	-	-	1	-	1	-	-
White	1	-	-	1	-	1	-	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	1	-	1	1	-	-	1	-
White	1	-	1	-	-	-	1	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	-	-
Fetal Deaths								
Total	3	2	4	2	1	3	5	-
White	3	2	4	1	1	3	4	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	1	-
Perinatal Rate	20.3	9.3	8.8	14.1	5.0	9.4	11.8	-
Maternal Deaths	-	-	-	-	-	-	-	-

Table 11

SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

	Cook	Cotton-wood	Crow Wing	Dakota	Dodge	Douglas	Faribault	Fill-more
Live Births	60	183	631	4,014	257	451	256	321
Fertility Rate	61.5	77.0	73.8	69.2	83.1	73.1	79.6	79.3
Birth Rate	13.8	13.2	14.7	18.2	16.8	15.1	13.7	14.9
Sex: Male	34	93	320	2,028	127	233	121	163
Female	26	90	311	1,986	130	218	135	158
Out-of-Wedlock, Percent	10.0	8.2	15.8	9.1	8.6	9.3	11.3	8.4
Race: White	50	180	622	3,869	253	449	255	319
Black	-	-	1	42	-	1	-	-
Indian	8	-	7	17	1	1	1	-
Live Birth Order								
Median	2.3	2.5	2.5	2.2	2.4	2.4	2.5	2.5
% 5th or over	3.3	.5	7.6	2.1	3.1	3.3	3.5	7.5
Prematurity, Percent								
Less than 37 weeks	10.0	4.9	4.8	5.5	8.6	5.8	6.6	7.2
Less than 2,500 grams	3.3	2.7	4.3	4.7	7.4	3.1	4.3	5.3
Plurality:								
Single	60	181	625	3,941	252	439	252	313
Twin	-	2	6	73	5	12	4	8
Triplet	-	-	-	-	-	-	-	-
Mother's Age, Percent								
Under 18	1.7	1.6	3.3	1.4	2.3	2.4	2.3	2.5
18-19	6.7	6.0	8.4	3.3	9.7	4.7	5.5	5.0
40 and over	-	-	.8	.4	.4	1.1	.4	.9
Mother's Education, Percent								
Less than 12 years	8.3	6.6	14.9	5.5	11.3	6.4	9.4	11.8
Over 3 years college	31.7	10.9	12.0	22.0	13.2	11.8	13.7	12.8
Prenatal Care Began, Percent								
3rd Trimester or none	1.7	3.3	3.5	2.8	5.4	3.5	2.0	5.9
Prenatal Care Visits								
Median	12.1	11.5	10.0	10.9	11.4	10.9	10.1	10.7
Congenital Anomalies, Percent	1.7	.5	1.6	1.3	.8	1.6	2.7	1.6
High Risk, Percent	31.7	19.1	21.9	17.0	21.4	19.5	17.2	21.8
Other Significant Conditions of Child, Percent	11.7	8.7	7.8	3.9	4.7	5.1	4.7	4.4
Infant Deaths								
Total	-	2	6	39	6	1	4	3
White	-	2	6	39	6	1	4	3
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Neonatal Deaths								
Total	-	2	1	24	5	1	3	2
White	-	2	1	24	5	1	3	2
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
First Day Deaths								
Total	-	1	-	18	2	1	2	-
White	-	1	-	18	2	1	2	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	-	1	1	6	3	-	1	2
White	-	1	1	6	3	-	1	2
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	-	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	-	-	5	20	3	-	7	2
White	-	-	4	19	3	-	7	2
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Perinatal Rate	-	10.9	9.5	11.0	31.1	2.2	39.1	12.5
Maternal Deaths	-	-	-	-	-	-	-	-

Table 11
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

	Freeborn	Goodhue	Grant	Hennepin	Minneapolis	Houston	Hubbard
Live Births	464	586	109	15,906	6,615	292	227
Fertility Rate	67.7	73.1	92.1	62.6	69.0	78.3	72.8
Birth Rate	13.3	14.7	15.2	16.6	18.3	15.4	14.8
Sex: Male	218	292	57	8,179	3,365	145	120
Female	246	294	52	7,727	3,250	147	107
Out-of-Wedlock, Percent	12.7	8.5	5.5	19.3	33.1	7.9	14.5
Race: White	460	580	107	13,253	4,639	291	221
Black	-	-	-	1,324	1,139	-	1
Indian	2	4	-	451	415	1	5
Live Birth Order							
Median	2.4	2.5	2.7	2.2	2.2	2.4	2.3
% 5th or over	2.6	3.2	1.8	2.5	3.8	4.8	8.4
Prematurity, Percent							
Less than 37 weeks	7.5	6.0	1.8	6.4	7.3	5.5	6.2
Less than 2,500 grams	4.7	4.4	.9	5.5	6.8	4.5	3.1
Plurality:							
Single	458	566	105	15,525	6,444	286	223
Twin	6	20	4	360	162	6	4
Triplet	-	-	-	21	9	-	-
Mother's Age, Percent							
Under 18	4.1	1.5	-	2.5	4.5	1.4	4.4
18-19	5.2	3.4	5.5	4.3	6.4	4.8	4.0
40 and over	.6	.2	.9	.7	.8	1.4	.4
Mother's Education, Percent							
Less than 12 years	12.7	10.1	1.8	9.7	17.1	5.1	12.3
Over 3 years college	6.9	14.8	15.6	25.0	22.5	24.3	16.7
Prenatal Care Began, Percent							
3rd Trimester or none	4.5	3.1	.9	4.0	7.0	1.4	5.7
Prenatal Care Visits							
Median	10.0	12.1	11.4	12.1	11.5	11.5	9.8
Congenital Anomalies, Percent	.9	1.0	-	1.1	1.2	4.8	.9
High Risk, Percent	18.1	15.5	9.2	21.5	27.2	19.5	20.7
Other Significant Conditions of Child, Percent	4.7	4.9	1.8	4.2	5.1	5.5	2.2
Infant Deaths							
Total	7	6	-	129	61	-	1
White	7	6	-	98	36	-	1
Black	-	-	-	21	18	-	-
Indian	-	-	-	5	3	-	-
Neonatal Deaths							
Total	4	3	-	84	38	-	-
White	4	3	-	65	23	-	-
Black	-	-	-	14	13	-	-
Indian	-	-	-	3	1	-	-
First Day Deaths							
Total	4	2	-	50	26	-	-
White	4	2	-	36	16	-	-
Black	-	-	-	10	9	-	-
Indian	-	-	-	3	1	-	-
1-6 Day Deaths							
Total	-	-	-	18	3	-	-
White	-	-	-	18	3	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
7-27 Day Deaths							
Total	-	1	-	16	9	-	-
White	-	1	-	11	4	-	-
Black	-	-	-	4	4	-	-
Indian	-	-	-	-	-	-	-
Fetal Deaths							
Total	1	2	-	109	49	-	1
White	1	2	-	79	29	-	1
Black	-	-	-	16	12	-	-
Indian	-	-	-	4	3	-	-
Perinatal Rate	10.8	8.5	-	12.1	13.2	-	4.4
Maternal Deaths	-	-	-	1	1	-	-

Table 11
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

	Isanti	Itasca	Jackson	Kanabec	Kandiyohi	Kittson	Kooch-iching
Live Births	390	611	157	207	611	90	184
Fertility Rate	62.1	65.9	60.9	81.9	66.6	70.3	53.6
Birth Rate	15.0	13.8	11.7	16.4	15.3	13.3	11.1
Sex: Male	190	311	75	98	317	39	101
Female	200	300	82	109	294	51	83
Out-of-Wedlock, Percent	12.6	18.3	7.0	18.8	13.4	13.3	17.9
Race: White	374	539	153	205	606	90	160
Black	-	-	-	-	1	-	-
Indian	2	71	-	1	3	-	10
Live Birth Order							
Median	2.4	2.4	2.5	2.7	2.3	2.3	2.4
% 5th or over	2.8	5.2	3.8	3.4	3.3	-	4.9
Prematurity, Percent							
Less than 37 weeks	4.4	6.9	7.6	8.2	9.0	6.7	2.2
Less than 2,500 grams	3.6	4.4	5.1	4.3	3.6	2.2	5.4
Plurality:							
Single	388	601	149	207	603	90	182
Twin	2	10	8	-	8	-	2
Triplet	-	-	-	-	-	-	-
Mother's Age, Percent							
Under 18	2.6	3.4	.6	2.9	2.3	5.6	2.7
18-19	6.9	9.2	6.4	8.2	6.2	5.6	6.0
40 and over	1.0	.8	.6	1.0	.8	-	1.1
Mother's Education, Percent							
Less than 12 years	11.3	11.1	7.0	21.3	9.7	7.8	18.5
Over 3 years college	10.0	10.6	14.0	11.1	12.6	23.3	16.3
Prenatal Care Began, Percent							
3rd Trimester or none	2.6	2.8	1.9	3.9	2.9	2.2	1.6
Prenatal Care Visits							
Median	10.6	10.2	12.4	10.4	11.7	10.9	8.9
Congenital Anomalies, Percent	1.3	1.5	1.9	1.0	1.3	4.4	.5
High Risk, Percent	18.5	25.2	23.6	19.3	15.2	16.7	14.7
Other Significant Conditions of Child, Percent	5.1	8.5	5.7	3.9	4.7	3.3	4.3
Infant Deaths							
Total	5	6	-	3	5	2	3
White	5	6	-	3	5	2	3
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Neonatal Deaths							
Total	4	3	-	3	2	2	1
White	4	3	-	3	2	2	1
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
First Day Deaths							
Total	2	1	-	1	1	1	1
White	2	1	-	1	1	1	1
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
1-6 Day Deaths							
Total	2	1	-	2	-	-	-
White	2	1	-	2	-	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
7-27 Day Deaths							
Total	-	1	-	-	1	1	-
White	-	1	-	-	1	1	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Fetal Deaths							
Total	2	2	-	-	2	2	1
White	2	2	-	-	2	2	1
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Perinatal Rate	15.4	8.2	-	14.5	6.5	44.4	10.9
Maternal Deaths	-	-	-	-	-	-	-

Table 11
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

	Lac Qui Parle	Lake	Lake of the Woods	LeSueur	Lin-coln	Lyon	Mc-Leod	Mahnomen
Live Births	158	130	64	372	96	397	500	82
Fertility Rate	89.5	62.8	88.6	81.8	80.9	68.4	76.3	90.7
Birth Rate	15.3	11.2	16.5	15.7	12.3	15.4	16.5	14.6
Sex: Male	81	65	35	196	53	214	268	38
Female	77	65	29	176	43	183	232	44
Out-of-Wedlock, Percent	7.0	7.7	7.8	12.9	6.3	10.8	10.4	28.0
Race: White	157	126	61	371	96	394	491	52
Black	1	1	-	-	-	1	-	-
Indian	-	3	-	-	-	2	1	30
Live Birth Order								
Median	2.4	2.4	2.6	2.6	2.7	2.3	2.3	2.8
% 5th or over	1.3	5.4	7.8	3.5	8.3	4.0	2.6	8.5
Prematurity, Percent								
Less than 37 weeks	2.5	3.8	6.3	6.5	6.3	6.5	6.0	3.7
Less than 2,500 grams	2.5	3.1	3.1	2.7	5.2	3.0	3.4	1.2
Plurality:								
Single	158	126	64	366	94	385	489	82
Twin	-	4	-	6	2	12	11	-
Triplet	-	-	-	-	-	-	-	-
Mother's Age, Percent								
Under 18	1.9	3.1	4.7	2.7	1.0	2.0	2.6	3.7
18-19	4.4	6.9	7.8	6.5	6.3	6.3	5.0	8.5
40 and over	-	1.5	-	.5	1.0	1.3	.4	-
Mother's Education, Percent								
Less than 12 years	4.4	6.9	4.7	8.3	4.2	7.8	6.8	18.3
Over 3 years college	13.3	10.8	20.3	14.2	13.5	18.6	11.4	7.3
Prenatal Care Began, Percent								
3rd Trimester or none	2.5	3.8	3.1	3.5	3.1	3.5	1.2	4.9
Prenatal Care Visits								
Median	10.8	11.6	9.1	11.8	10.2	11.9	11.8	10.0
Congenital Anomalies, Percent	3.8	.8	-	1.1	-	2.5	1.4	-
High Risk, Percent	22.2	22.3	15.6	15.3	15.6	21.4	19.2	17.1
Other Significant Conditions of Child, Percent	3.8	2.3	6.3	2.7	6.3	3.5	5.2	2.4
Infant Deaths								
Total	2	1	2	3	-	2	5	-
White	2	1	2	3	-	2	5	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Neonatal Deaths								
Total	1	-	-	2	-	1	5	-
White	1	-	-	2	-	1	5	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
First Day Deaths								
Total	1	-	-	2	-	1	2	-
White	1	-	-	2	-	1	2	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	-	-	-	-	-	-	2	-
White	-	-	-	-	-	-	2	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	-	-	-	-	-	-	1	-
White	-	-	-	-	-	-	1	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	2	2	-	-	1	2	4	1
White	2	2	-	-	1	2	4	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Perinatal Rate	19.0	15.4	-	5.4	10.4	7.6	18.0	12.2
Maternal Deaths	-	-	-	-	-	-	-	-

Table 11

SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

	Marshall	Martin	Meeker	Mille Lacs	Morrison	Mower	Murray
Live Births	192	347	332	286	455	515	135
Fertility Rate	85.6	76.9	85.2	82.7	78.1	70.3	68.5
Birth Rate	15.0	14.2	15.7	15.4	15.1	13.0	12.0
Sex: Male	101	176	179	146	224	275	68
Female	91	171	153	140	231	240	67
Out-of-Wedlock, Percent	13.5	11.8	12.3	19.9	14.3	13.0	7.4
Race: White	189	343	331	259	449	509	135
Black	-	-	1	-	-	1	-
Indian	3	-	-	23	4	1	-
Live Birth Order							
Median	2.5	2.5	2.5	2.5	2.6	2.4	2.6
% 5th or over	6.3	1.4	6.3	3.8	6.6	4.5	3.0
Prematurity, Percent							
Less than 37 weeks	4.7	5.8	4.8	6.6	6.8	7.2	6.7
Less than 2,500 grams	3.1	2.9	3.0	4.2	6.6	3.7	2.2
Plurality:							
Single	187	343	324	284	445	509	132
Twin	2	4	8	2	10	6	3
Triplet	3	-	-	-	-	-	-
Mother's Age, Percent							
Under 18	3.6	1.4	2.1	2.1	2.0	2.1	1.5
18-19	4.2	6.6	8.1	9.4	12.5	6.0	6.7
40 and over	1.6	-	.3	-	1.1	.6	.7
Mother's Education, Percent							
Less than 12 years	12.5	10.1	9.6	12.6	7.9	6.6	4.4
Over 3 years college	12.0	12.7	9.3	10.5	9.0	12.6	10.4
Prenatal Care Began, Percent							
3rd Trimester or none	2.6	1.7	5.4	1.7	1.5	5.4	2.2
Prenatal Care Visits							
Median	10.5	12.2	10.8	10.8	10.8	9.1	10.9
Congenital Anomalies, Percent	.5	1.2	.6	2.8	.9	1.4	.7
High Risk, Percent	18.2	12.1	17.8	19.9	17.1	20.2	14.1
Other Significant Conditions of Child, Percent	2.6	2.3	5.7	5.9	6.2	7.6	2.2
Infant Deaths							
Total	1	4	2	1	7	3	-
White	1	4	2	-	7	3	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	-
Neonatal Deaths							
Total	1	1	1	1	5	1	-
White	1	1	1	-	5	1	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	-
First Day Deaths							
Total	-	-	1	1	4	-	-
White	-	-	1	-	4	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	-
1-6 Day Deaths							
Total	1	1	-	-	1	-	-
White	1	1	-	-	1	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
7-27 Day Deaths							
Total	-	-	-	-	-	1	-
White	-	-	-	-	-	1	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Fetal Deaths							
Total	-	2	1	1	2	1	2
White	-	2	1	1	1	1	2
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Perinatal Rate	5.2	8.6	6.0	7.0	15.4	3.9	14.8
Maternal Deaths	-	-	-	-	-	-	-

Table 11

SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

	Nicollet	Nobles	Norman	Olmsted	Otter Tail	Penn-ington	Pine
Live Births	416	296	100	1,834	775	218	311
Fertility Rate	61.0	67.1	64.2	68.3	74.4	72.1	77.9
Birth Rate	14.8	13.6	10.9	18.7	14.1	15.7	14.8
Sex: Male	208	152	48	936	388	101	161
Female	208	144	52	898	387	117	150
Out-of-Wedlock, Percent	13.9	13.2	4.0	9.9	9.7	12.4	16.7
Race: White	410	294	97	1,738	764	215	302
Black	1	1	-	12	-	-	1
Indian	-	-	3	3	6	2	8
Live Birth Order							
Median	2.3	2.3	2.5	2.3	2.5	2.4	2.6
% 5th or over	1.9	4.4	3.0	2.6	4.4	1.8	5.8
Prematurity, Percent							
Less than 37 weeks	6.7	4.1	12.0	7.5	7.0	9.2	8.4
Less than 2,500 grams	5.3	4.4	8.0	5.8	5.3	5.0	5.5
Plurality:							
Single	403	290	96	1,793	756	214	309
Twin	13	6	4	32	16	4	2
Triplet	-	-	-	9	3	-	-
Mother's Age, Percent							
Under 18	1.7	2.0	4.0	1.3	1.7	1.8	1.9
18-19	5.5	5.1	7.0	4.2	5.8	4.6	8.7
40 and over	.2	-	-	.7	.4	-	1.6
Mother's Education, Percent							
Less than 12 years	6.0	6.8	7.0	5.6	8.0	7.8	17.7
Over 3 years college	17.8	11.1	17.0	28.7	13.4	14.2	9.0
Prenatal Care Began, Percent							
3rd Trimester or none	1.2	3.7	4.0	2.6	2.5	3.2	5.8
Prenatal Care Visits							
Median	12.1	12.3	10.8	11.1	12.0	11.4	9.9
Congenital Anomalies, Percent	.2	.7	4.0	1.3	1.4	2.3	1.6
High Risk, Percent	18.3	14.9	18.0	26.3	21.9	21.1	22.8
Other Significant Conditions of Child, Percent	5.5	3.4	4.0	5.8	7.6	5.5	8.7
Infant Deaths							
Total	3	1	-	24	7	3	5
White	3	1	-	24	7	3	4
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	1
Neonatal Deaths							
Total	-	1	-	17	2	1	4
White	-	1	-	17	2	1	4
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
First Day Deaths							
Total	-	1	-	10	2	1	3
White	-	1	-	10	2	1	3
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
1-6 Day Deaths							
Total	-	-	-	2	-	-	-
White	-	-	-	2	-	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
7-27 Day Deaths							
Total	-	-	-	5	-	-	1
White	-	-	-	5	-	-	1
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Fetal Deaths							
Total	1	1	-	10	8	1	1
White	1	1	-	10	8	1	1
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Perinatal Rate	2.4	6.8	-	14.7	12.9	9.2	16.1
Maternal Deaths	-	1	-	-	-	-	-

Table 11

SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

	Pipe-stone	Polk	Pope	Ramsey	St. Paul	Red Lake	Redwood	Renville
Live Births	149	533	148	8,242	5,142	78	302	314
Fertility Rate	73.8	77.1	77.7	71.5	79.2	84.1	91.1	88.9
Birth Rate	13.2	15.6	12.6	17.9	19.2	15.2	16.1	16.1
Sex: Male	84	288	83	4,180	2,595	39	155	157
Female	65	245	65	4,062	2,547	39	147	157
Out-of-Wedlock, Percent	8.7	15.0	8.1	19.7	25.1	14.1	11.9	8.6
Race: White	145	510	148	6,829	3,959	78	296	310
Black	-	3	-	493	448	-	-	-
Indian	4	18	-	95	85	-	5	3
Live Birth Order								
Median	2.6	2.5	2.7	2.3	2.3	2.8	2.4	2.4
% 5th or over	6.7	4.3	5.4	4.9	6.9	3.8	3.0	2.5
Prematurity, Percent								
Less than 37 weeks	12.8	7.1	10.1	6.4	7.0	5.1	6.3	4.1
Less than 2,500 grams	7.4	4.1	8.8	5.0	5.5	1.3	3.3	3.8
Plurality:								
Single	142	520	140	8,089	5,044	78	301	309
Twin	4	13	8	146	95	-	1	5
Triplet	3	-	-	6	3	-	-	-
Mother's Age, Percent								
Under 18	.7	2.8	2.0	2.9	3.9	2.6	2.0	1.0
18-19	1.3	6.0	5.4	5.2	6.1	7.7	5.3	5.1
40 and over	.7	.8	.7	1.0	1.2	1.3	-	.3
Mother's Education, Percent								
Less than 12 years	6.7	11.6	8.8	10.9	14.8	11.5	6.3	6.1
Over 3 years college	12.1	11.6	14.2	22.9	20.4	15.4	14.2	13.1
Prenatal Care Began, Percent								
3rd Trimester or none	2.0	3.0	2.7	5.6	7.1	2.6	2.0	2.2
Prenatal Care Visits								
Median	11.2	11.4	10.4	11.1	10.9	10.1	11.4	12.0
Congenital Anomalies, Percent	.7	1.3	2.7	1.2	1.3	-	1.3	1.3
High Risk, Percent	18.8	16.9	23.0	23.0	25.3	16.7	19.5	20.1
Other Significant Conditions of Child, Percent	2.7	3.2	7.4	4.3	4.8	5.1	7.0	5.1
Infant Deaths								
Total	-	5	1	56	38	-	3	2
White	-	5	1	44	29	-	3	2
Black	-	-	-	9	6	-	-	-
Indian	-	-	-	-	-	-	-	-
Neonatal Deaths								
Total	-	3	1	36	26	-	1	-
White	-	3	1	27	19	-	1	-
Black	-	-	-	6	4	-	-	-
Indian	-	-	-	-	-	-	-	-
First Day Deaths								
Total	-	1	-	18	15	-	-	-
White	-	1	-	12	10	-	-	-
Black	-	-	-	5	4	-	-	-
Indian	-	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	-	2	1	11	6	-	1	-
White	-	2	1	9	5	-	1	-
Black	-	-	-	1	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	-	-	-	7	5	-	-	-
White	-	-	-	6	4	-	-	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	-	2	2	53	34	-	2	1
White	-	2	1	41	24	-	2	1
Black	-	-	-	4	4	-	-	-
Indian	-	-	-	-	-	-	-	-
Perinatal Rate	-	9.4	20.3	10.8	11.7	-	9.9	3.2
Maternal Deaths	-	-	-	1	1	-	-	-

Table 11

SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

	Rice	Rock	Roseau	St. Louis	Duluth	Scott	Sher-burne	Sibley
Live Births	710	153	256	2,626	1,324	909	592	223
Fertility Rate	59.8	71.5	95.2	57.3	66.5	73.2	71.3	77.8
Birth Rate	15.0	14.4	18.8	12.7	15.6	17.8	17.1	14.2
Sex: Male	379	79	124	1,355	672	458	284	125
Female	331	74	132	1,271	652	451	308	98
Out-of-Wedlock, Percent	12.4	6.5	10.9	18.7	23.0	10.3	11.0	7.2
Race: White	693	153	248	2,498	1,246	884	539	223
Black	2	-	1	16	16	4	2	-
Indian	2	-	4	99	53	12	2	-
Live Birth Order								
Median	2.3	2.5	2.5	2.3	2.2	2.3	2.5	2.3
% 5th or over	3.4	3.3	6.3	3.0	2.3	2.4	3.5	1.8
Prematurity, Percent								
Less than 37 weeks	7.7	6.5	10.5	6.7	5.8	5.6	5.6	6.7
Less than 2,500 grams	3.2	5.2	4.7	4.8	4.5	4.7	5.2	5.4
Plurality:								
Single	698	149	243	2,578	1,301	893	586	219
Twin	12	4	13	48	23	16	6	4
Triplet	-	-	-	-	-	-	-	-
Mother's Age, Percent								
Under 18	2.3	2.0	3.5	2.9	2.9	1.4	1.9	1.8
18-19	6.2	5.9	8.6	5.4	5.8	3.1	4.9	4.0
40 and over	.6	-	.4	.6	.5	.3	1.0	-
Mother's Education, Percent								
Less than 12 years	9.9	8.5	12.9	11.3	11.9	8.5	9.1	2.7
Over 3 years college	18.9	11.8	9.8	16.6	19.0	16.6	10.5	7.2
Prenatal Care Began, Percent								
3rd Trimester or none	2.8	.7	2.7	3.0	2.5	3.9	2.0	1.3
Prenatal Care Visits								
Median	12.0	11.9	10.3	11.0	11.0	11.6	11.1	11.8
Congenital Anomalies, Percent	1.3	3.3	1.2	1.4	1.8	2.0	1.2	.4
High Risk, Percent	20.6	21.6	25.0	20.5	19.6	17.4	15.5	17.9
Other Significant Conditions of Child, Percent	5.6	5.2	9.4	4.7	5.0	5.6	2.9	4.9
Infant Deaths								
Total	6	2	2	25	16	8	10	1
White	6	2	2	25	16	8	10	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Neonatal Deaths								
Total	3	1	-	19	12	4	6	1
White	3	1	-	19	12	4	6	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
First Day Deaths								
Total	1	-	-	11	6	1	4	1
White	1	-	-	11	6	1	4	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	1	1	-	4	3	2	1	-
White	1	1	-	4	3	2	1	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	1	-	-	4	3	1	1	-
White	1	-	-	4	3	1	1	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	8	-	2	24	13	5	6	2
White	8	-	2	22	11	5	5	2
Black	-	-	-	1	1	-	-	-
Indian	-	-	-	1	1	-	-	-
Perinatal Rate	15.5	6.5	7.8	16.4	18.9	9.9	20.3	13.5
Maternal Deaths	-	-	-	-	-	-	-	-

Table 11

SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

	Stearns	Steele	Stevens	Swift	Todd	Traverse	Wabasha
Live Births	1,952	470	151	155	401	74	303
Fertility Rate	69.2	70.3	65.7	69.4	85.0	87.9	79.8
Birth Rate	17.0	15.3	13.4	12.3	15.6	14.3	15.7
Sex: Male	1,035	247	86	78	206	39	150
Female	917	223	65	77	195	35	153
Out-of-Wedlock, Percent	12.1	8.7	7.9	7.1	13.5	18.9	9.9
Race: White	1,933	466	145	154	397	68	299
Black	8	1	1	-	1	-	-
Indian	4	1	2	1	2	6	1
Live Birth Order							
Median	2.4	2.4	2.3	2.4	2.7	2.6	2.4
% 5th or over	5.5	2.1	2.6	2.6	10.2	5.4	4.0
Prematurity, Percent							
Less than 37 weeks	7.0	4.5	1.3	5.8	5.7	8.1	8.3
Less than 2,500 grams	4.6	3.0	2.6	3.2	3.2	1.4	5.6
Plurality:							
Single	1,916	468	149	153	397	74	297
Twin	36	2	2	2	4	-	6
Triplet	-	-	-	-	-	-	-
Mother's Age, Percent							
Under 18	1.4	2.1	1.3	1.9	3.7	2.7	1.7
18-19	4.7	4.0	3.3	2.6	9.5	10.8	5.9
40 and over	.9	.4	.7	-	1.2	-	1.3
Mother's Education, Percent							
Less than 12 years	5.4	7.0	2.6	5.2	13.2	8.1	8.6
Over 3 years college	13.7	16.6	4.6	12.9	6.5	16.2	14.5
Prenatal Care Began, Percent							
3rd Trimester or none	1.4	2.1	1.3	1.9	6.7	2.7	4.0
Prenatal Care Visits							
Median	11.3	10.7	12.2	11.1	10.5	10.7	10.7
Congenital Anomalies, Percent	1.2	1.1	2.6	.6	.2	-	1.0
High Risk, Percent	17.3	19.6	23.2	17.4	18.5	10.8	24.4
Other Significant Conditions of Child, Percent	3.3	7.0	6.0	5.8	4.5	1.4	5.3
Infant Deaths							
Total	24	3	-	3	3	-	-
White	24	3	-	3	3	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Neonatal Deaths							
Total	15	1	-	1	2	-	-
White	15	1	-	1	2	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
First Day Deaths							
Total	9	1	-	-	1	-	-
White	9	1	-	-	1	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
1-6 Day Deaths							
Total	6	-	-	1	-	-	-
White	6	-	-	1	-	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
7-27 Day Deaths							
Total	-	-	-	-	1	-	-
White	-	-	-	-	1	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Fetal Deaths							
Total	16	1	1	2	6	-	5
White	16	1	1	2	6	-	5
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Perinatal Rate	15.9	4.3	6.6	19.4	20.0	-	16.5
Maternal Deaths	-	-	-	-	-	-	-

Table 11
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

	Wadena	Waseca	Wash-ington	Watonwan	Wilkin	Winona	Wright	Yellow Medicine
Live Births	214	289	2,012	192	103	725	1,070	189
Fertility Rate	80.8	72.3	62.8	87.4	67.0	61.2	73.1	81.2
Birth Rate	15.4	15.4	16.0	16.3	12.3	15.4	16.9	14.8
Sex: Male	120	148	1,012	100	50	353	565	99
Female	94	141	1,000	92	53	372	505	90
Out-of-Wedlock, Percent	15.0	9.3	11.5	10.4	10.7	11.9	10.1	7.4
Race: White	214	284	1,975	192	99	714	988	185
Black	-	-	8	-	-	5	-	-
Indian	-	-	4	-	2	3	2	3
Live Birth Order								
Median	2.4	2.4	2.4	2.5	2.5	2.4	2.5	2.4
% 5th or over	4.7	4.8	2.7	4.7	4.9	4.6	6.4	3.2
Prematurity, Percent								
Less than 37 weeks	5.6	4.2	6.6	11.5	7.8	7.3	5.4	9.5
Less than 2,500 grams	3.7	2.4	4.8	6.8	4.9	4.1	3.3	4.2
Plurality:								
Single	212	287	1,971	180	103	715	1,058	187
Twin	2	2	38	12	-	7	12	2
Triplet	-	-	3	-	-	3	-	-
Mother's Age, Percent								
Under 18	2.3	1.4	1.6	2.1	1.9	2.6	2.3	1.1
18-19	11.2	5.9	4.3	5.7	4.9	6.1	4.8	6.3
40 and over	.5	.7	.8	.5	1.0	.7	1.3	-
Mother's Education, Percent								
Less than 12 years	9.3	9.0	5.8	10.4	4.9	9.5	6.6	4.2
Over 3 years college	7.0	11.8	20.3	11.5	15.5	19.2	9.0	12.7
Prenatal Care Began, Percent								
3rd Trimester or none	5.6	.3	2.6	2.6	3.9	2.8	2.3	1.1
Prenatal Care Visits								
Median	9.8	11.4	11.0	11.8	11.3	11.4	11.3	10.5
Congenital Anomalies, Percent	2.8	2.1	1.3	2.1	1.0	1.5	.8	.5
High Risk, Percent	19.6	19.7	20.5	17.2	22.3	17.1	15.1	18.5
Other Significant Conditions of Child, Percent	6.5	4.8	5.0	4.7	8.7	7.0	2.9	7.4
Infant Deaths								
Total	2	5	16	2	1	7	7	1
White	2	5	16	2	1	7	7	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Neonatal Deaths								
Total	1	3	13	2	1	3	5	1
White	1	3	13	2	1	3	5	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
First Day Deaths								
Total	1	2	7	1	-	3	2	1
White	1	2	7	1	-	3	2	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	-	1	3	-	1	-	1	-
White	-	1	3	-	1	-	1	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	-	-	3	1	-	-	2	-
White	-	-	3	1	-	-	2	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	-	5	16	2	3	8	5	2
White	-	5	13	2	-	8	5	2
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Perinatal Rate	4.7	27.7	14.4	20.8	38.8	15.2	9.3	15.9
Maternal Deaths	-	-	-	-	-	-	-	-

* As of the 1980 Census

Table 12
LIVE BIRTH WEIGHT BY LIVE BIRTH ORDER AND SEX
MINNESOTA RESIDENTS, 1985

		Weight in Grams									
Live Birth Order	Total Births	999 or Less	1,000 to 1,499	1,500 to 1,999	2,000 to 2,499	2,500 to 2,999	3,000 to 3,499	3,500 to 3,999	4,000 to 4,499	4,500 and Over	Weight Not Stated
First	25,594	106	120	248	892	3,527	9,646	8,260	2,330	439	26
Second	22,421	79	97	160	604	2,555	7,615	7,843	2,868	572	28
Third	11,113	57	44	95	303	1,224	3,572	3,910	1,519	381	8
Fourth	3,927	25	13	50	120	455	1,169	1,326	600	163	6
Fifth	1,329	10	5	13	43	164	408	436	185	64	1
Sixth	522	3	6	7	10	65	176	161	67	27	-
Seventh	258	1	1	1	11	29	70	104	31	10	-
Eight or Over	270	1	1	4	12	31	89	79	39	14	-
Not Stated	1,978	11	7	13	50	186	464	465	182	33	567
TOTAL	67,412	293	294	591	2,045	8,236	23,209	22,584	7,821	1,703	636
Male	34,465	147	132	290	956	3,582	10,772	12,143	4,931	1,196	316
Female	32,947	146	162	301	1,089	4,654	12,437	10,441	2,890	507	320

Table 13
LIVE BIRTHS BY AGE OF MOTHER AND LIVE BIRTH ORDER
MINNESOTA RESIDENTS, 1985

		Age of Mother								
Live Birth Order	Total Births	Under 15 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45 & Over Years	Age Not Stated
First	25,594	53	3,960	9,428	8,409	3,119	572	47	-	6
Second	22,421	1	808	6,374	9,104	4,988	1,076	67	2	1
Third	11,113	-	103	2,028	4,543	3,469	909	58	2	1
Fourth	3,927	-	9	448	1,389	1,469	546	62	4	-
Fifth	1,329	-	1	99	392	507	278	49	3	-
Sixth	522	-	-	29	137	185	133	33	5	-
Seventh	258	-	-	3	41	95	80	33	6	-
Eight or Over	270	-	-	2	12	80	92	71	13	-
Not Stated	1,978	1	146	557	770	371	118	12	-	3
TOTAL	67,412	55	5,027	18,968	24,797	14,283	3,804	432	35	11
Percent	100.0	0.1	7.5	28.1	36.8	21.2	5.6	0.6	0.1	0.0

Table 14
PRENATAL CARE AND RACE BY AGE OF MOTHER AND BY LEGITIMACY STATUS
MINNESOTA RESIDENTS, 1985

	Total	Percent	Age of Mother					
			Under 15	15-19	20-29	30-39	40 and Over	Unknown
Legitimate Live Births	57,263*	-	1	1,734	38,028	17,086	407	7
Prenatal Care Started								
1st Trimester	41,748	72.9	-	974	27,678	12,847	243	6
2nd Trimester	6,913	12.1	1	419	4,601	1,830	62	-
3rd Trimester	1,114	1.9	-	94	727	257	36	-
No Care	257	0.4	-	4	154	92	7	-
Unknown	7,231	12.6	-	243	4,868	2,060	59	1
Race								
White	53,525	93.5	-	1,541	35,652	15,983	343	6
Black	703	1.2	-	25	455	220	3	-
Indian	497	0.9	-	39	332	123	3	-
Out-of-Wedlock Live Births	10,149**	-	54	3,293	5,737	1,001	60	4
Prenatal Care Started								
1st Trimester	4,883	48.1	10	1,388	2,907	556	21	1
2nd Trimester	2,802	27.6	23	1,070	1,474	216	17	2
3rd Trimester	743	7.3	10	275	391	58	9	-
No Care	187	1.8	2	63	97	21	4	-
Unknown	1,534	15.1	9	497	868	150	9	1
Race								
White	7,570	74.6	26	2,506	4,265	732	39	2
Black	1,272	12.5	15	387	754	111	5	-
Indian	910	9.0	6	267	529	104	3	1
Legitimate Fetal Deaths	345*	-	-	10	216	108	5	6
Race								
White	319	92.5	-	9	201	100	5	4
Black	5	1.4	-	-	4	1	-	-
Indian	2	0.6	-	-	1	1	-	-
Out-of-Wedlock Fetal Deaths	94**	-	-	31	48	10	3	2
Race								
White	59	62.8	-	20	29	5	3	2
Black	16	17.0	-	7	7	2	-	-
Indian	8	8.5	-	2	3	3	-	-

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* Includes deliveries of other and unknown races

** Includes unknown legitimacy status

REPORTED INDUCED ABORTIONS

Table 15
TOTAL REPORTED AND RESIDENT INDUCED ABORTIONS
MINNESOTA 1973 - 1985

Year	Total Reported Abortions	Minnesota Resident Abortions	Resident Percent	Resident Abortion Rate
1973[1]	7,263	4,169	57.4	5.1
1974[1]	8,732	7,154	81.9	8.6
1975	10,565	8,924	84.5	10.3
1976	14,124	11,109	78.7	12.5
1977	15,532	13,036	83.9	14.4
1978	17,262	14,521	84.1	15.6
1979	18,672	15,647	83.8	16.4
1980	19,028	16,490	86.7	17.2
1981	18,304	15,821	86.4	16.3
1982	17,758	15,559	87.6	15.8
1983	16,428	14,514	88.3	14.7
1984	17,314	15,556	89.8	15.7
1985	17,686	16,002	90.5	16.1

[1] Data obtained from the Center for Disease Control.

Table 16
REPORTED INDUCED ABORTIONS
SELECTED SURVEILLANCE RESULTS AND COMPARISONS
MINNESOTA, 1980-1985

Reported Induced Abortions[1]	1985	1984	1983	1982	1981	1980	Percent Change 1984-1985	Percent Change 1980-1985
Total Reported Abortions	17,686	17,314	16,428	17,758	18,304	19,028	+2.1	-7.1
Minnesota Resident Abortions	16,002	15,556	14,514	15,559	15,821	16,490	+2.9	-3.0
Total Monthly Average	1,474	1,443	1,369	1,480	1,525	1,586	+2.1	-7.1
Resident Monthly Average	1,334	1,296	1,210	1,297	1,318	1,374	+2.9	-2.9
Gestational Age[1]								
Proportion <9 weeks	46.7%	45.6%	47.9%	47.9%	45.6%	38.1%	+2.4	+22.6
Proportion <13 weeks	87.6%	86.5%	87.9%	88.5%	88.5%	86.9%	+1.3	+0.8
Proportion ≥16 weeks	5.9%	6.1%	5.6%	4.9%	4.8%	5.4%	-3.3	+9.3
Client's Age[1]								
Proportion <Age 18	9.8%	9.0%	9.9%	10.0%	11.5%	14.1%	+8.9	-30.5
Proportion <Age 20	25.6%	25.6%	27.4%	28.0%	30.9%	34.6%	0	-26.0
Proportion Age 20-34	68.3%	68.9%	67.2%	59.9%	61.3%	64.7%	-0.9	+5.6
Proportion ≥Age 35	6.0%	5.5%	5.4%	4.8%	4.4%	4.1%	+7.3	+43.9
Contraception[1]								
Proportion "Never Used"	14.1%	15.3%	19.3%	20.6%	20.6%	22.4%	-7.8	-37.1
Proportion "Used in Past but Not Now"[2]	54.3%	56.1%	56.3%	54.5%	53.6%	47.4%	-3.2	+14.6
Proportion "Was Using at Conception"	28.5%	25.5%	21.6%	22.0%	22.5%	25.9%	+11.8	+10.0
Complications[1]								
Total per 1,000 Procedures	9.27	9.99	8.52	6.25	2.57	2.52[3]	-14.0	See footnote 4.
Resident per 1,000 Procedures	10.06	10.48	8.96	6.68	2.53	2.30[3]	-11.2	
Resident - Suction Curettage	10.35	10.78	9.46	6.97	2.30	1.71[3]	+10.3	
Resident - All Other Methods	6.81	7.37	4.95	4.24	4.21	5.69[3]	+28.1	

[1] Note: All data are Minnesota resident abortion statistics unless "Total" is indicated.

[2] Combines categories "Have Used but Discontinued" and "Interrupted Use of Usual Method", which were reported separately in years prior to 1985.

[3] Rates for 1980 were incorrectly reported in the 1980 Report, and are corrected here.

[4] In 1982, side effects experienced by abortion recipients were for the first time reported as complications by some providers, altering data in such a way that years subsequent to the change cannot be directly compared to 1981 or prior data years.

Table 17
REPORTED INDUCED ABORTIONS
BY SELECTED AGE GROUP BY RESIDENCE
MINNESOTA, 1985

	Total Reported Abortions			Minnesota Resident Abortion			
Age	Number	Percent of Teens	Percent of Total	Number	Percent of Teens	Percent of Residents	Resident Percent of Total
<18	1,738	37.9	9.8	1,570	38.3	9.8	90.3
18-19	2,852	62.1	16.1	2,531	61.7	15.8	88.7
<20	4,590	100.0	26.0	4,101	100.0	25.6	89.3
20-24	6,718	-	38.0	6,067	-	37.9	90.3
25-29	3,498	-	19.8	3,216	-	20.1	91.9
30-34	1,795	-	10.1	1,641	-	10.3	91.4
35+	1,064	-	6.0	956	-	6.0	89.8
Unknown	21	-	0.1	21	-	0.1	100.0
TOTAL	17,686	-	100.0	16,002	-	100.0	90.5

Figure 14

REPORTED RESIDENT ABORTIONS BY RECIPIENT'S AGE
MINNESOTA, 1985

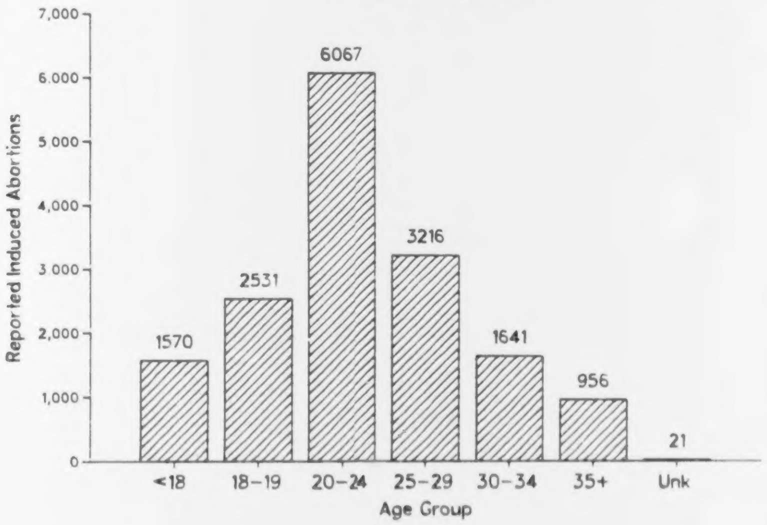

Table 18
REPORTED INDUCED ABORTIONS
BY RACE/ETHNIC GROUP AND RESIDENCE
MINNESOTA, 1985

	Total Reported Abortions		Minnesota Resident Abortions		
Race	Number	Percent	Number	Percent	Resident Percent
White	15,983	90.4	14,376	89.8	89.9
Black	820	4.6	806	5.0	98.3
Indian	160	0.9	138	0.9	86.3
Hispanic	110	0.6	109	0.7	99.1
Asian	362	2.0	350	2.2	96.7
Other	59	0.3	56	0.3	94.9
Unknown	192	1.1	167	1.0	87.0
TOTAL	17,686	100.0	16,002	100.0	90.5

Table 19
REPORTED RESIDENT INDUCED ABORTIONS BY RACE AND AGE GROUP
MINNESOTA, 1985

	Race			
Age Group	White	Non-White	Unknown[1]	Total
<15	69	30	4	103
15-17	1,327	119	21	1,467
18-19	2,334	170	27	2,531
20-24	5,545	430	92	6,067
25-29	2,834	311	71	3,216
30-34	1,420	180	41	1,641
35+	830	109	17	956
Unknown	17	1	3	21
TOTAL	14,376	1,350	276	16,002

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[1] Includes Hispanic origin.

Table 20
REPORTED INDUCED ABORTIONS BY MARITAL STATUS AND RESIDENCE MINNESOTA, 1985

Marital Status	Total Reported Abortions		Minnesota Resident Abortions		Resident Percent
	Number	Percent	Number	Percent	
Never Married	12,461	70.5	11,300	70.6	90.7
Married	2,472	14.0	2,211	13.8	89.4
Other[1] and Unknown	2,753	15.6	2,491	15.6	90.5
TOTAL	17,686	100.0	16,002	100.00	90.5

Table 21
REPORTED RESIDENT INDUCED ABORTIONS BY AGE GROUP AND MARITAL STATUS MINNESOTA, 1985

Age Group	Reported Resident Abortions	Marital Status		
		Never Married	Currently Married	Other[1] and Unknown
<18	1,570	1,549	8	13
18-19	2,531	2,425	50	56
20-24	6,067	4,936	565	566
25-29	3,216	1,733	669	814
30-34	1,641	491	517	633
35+	956	157	396	403
Unkown	21	9	6	6
TOTAL	16,002	11,300	2,211	2,491

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[1] Other includes: Divorced, Separated, and Widowed.

Table 22
REPORTED INDUCED ABORTIONS BY GESTATION AND RESIDENCE
MINNESOTA, 1985

Weeks of Gestation[1] (Post LMP)	Total Reported Abortions		Minnesota Resident Abortions		
	Number	Percent	Number	Percent	Resident Percent
<9	8,157	46.1	7,480	46.7	91.7
9-10	4,802	27.2	4,410	27.6	91.8
11-12	2,353	13.3	2,127	13.3	90.4
13-15	1,184	6.7	1,038	6.5	87.7
16-20	972	5.5	781	4.9	80.3
21+	218	1.2	166	1.0	76.1
TOTAL	17,686	100.0	16,002	100.0	90.5

Table 23
REPORTED RESIDENT INDUCED ABORTIONS BY AGE GROUP BY WEEKS OF GESTATION
MINNESOTA, 1985

Age Group	Reported Resident Abortions	Gestation in Weeks[1] (LMP)					
		<9	9-10	11-12	13-15	16-20	21+
<18	1,570	460	462	287	170	154	37
18-19	2,531	1,002	684	404	223	174	44
20-24	6,067	2,877	1,668	799	394	280	49
25-29	3,216	1,730	884	347	146	89	20
30-34	1,641	923	430	169	62	47	10
35+	956	475	276	121	41	37	6
Unknown	21	13	6	0	2	0	0
TOTAL	16,002	7,480	4,410	2,127	1,038	781	166

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[1] Weeks of gestation as reported by the physician using uterine size and/or LMP indicated by the patient.

Figure 15

PERCENT OF REPORTED INDUCED ABORTIONS BY WEEKS OF GESTATION
MINNESOTA RESIDENTS, 1985

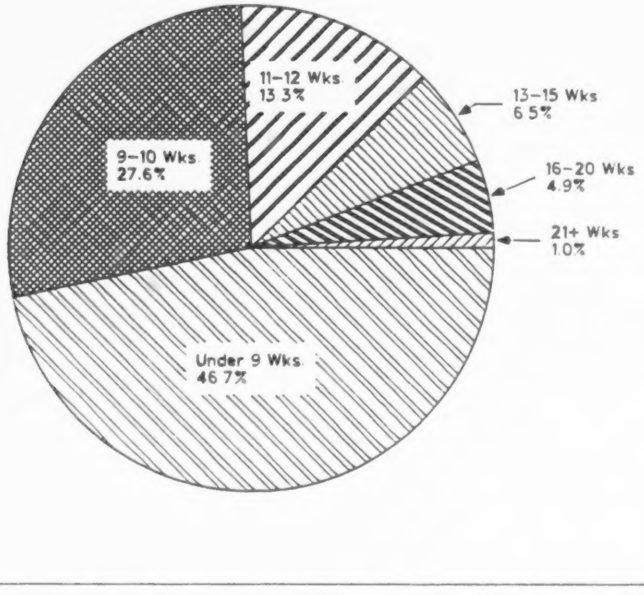


Table 24
PATIENTS REPORTING PRIOR ABORTIONS
BY AGE GROUP AND RESIDENCE
MINNESOTA, 1985

Age Group	Total Reported Abortions			Minnesota Resident Abortions		
	Number	Abortions[1]	Percent[2]	Number	Abortions[1]	Percent[2]
<18	1,738	103	5.9	1,570	97	6.2
18-19	2,852	468	16.4	2,531	430	17.0
20-24	6,718	2,268	33.8	6,067	2,109	34.8
25-29	3,498	1,564	44.7	3,216	1,443	44.9
30-34	1,795	790	44.0	1,641	737	44.9
35+	1,064	363	34.1	956	336	35.1
Unknown	21	10	47.6	21	10	47.6
TOTAL	17,686	5,566	31.5	16,002	5,162	32.3

[1] Number of women who reported at least one prior abortion.

[2] Percentage of women within each age group who reported having had at least one prior abortion.

Figure 16

PERCENT DISTRIBUTION OF FIRST–TIME ABORTION RECIPIENTS VERSUS REPEAT ABORTION RECIPIENTS BY AGE GROUP, MINNESOTA RESIDENTS, 1985

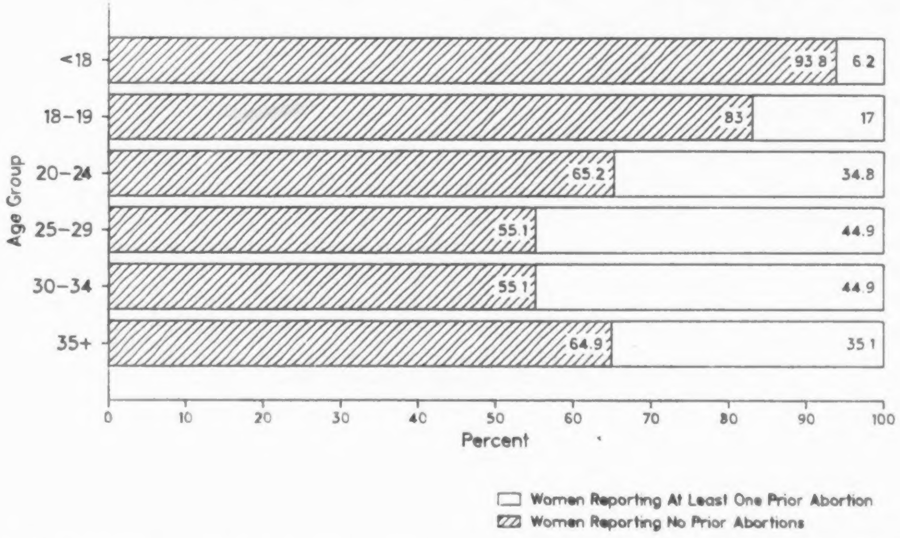


Table 25
REPORTED INDUCED ABORTIONS BY NUMBER OF PRIOR ABORTIONS AND RESIDENCE
MINNESOTA, 1985

Number of Prior Abortions	Total Reported Abortions		Minnesota Resident Abortions		Resident Percent of Total
	Number	Percent	Number	Percent	
0	12,119	68.5	10,839	67.7	89.4
1	3,988	22.5	3,682	23.0	92.3
2	1,120	6.3	1,045	6.5	93.3
3	311	1.8	294	1.8	94.5
4	107	0.6	102	0.6	95.3
5+	40	0.2	39	0.2	97.5
Unknown	1	0.0	1	0.0	100.0
TOTAL	17,686	100.0	16,002	100.0	90.5

Table 26
REPORTED INDUCED ABORTIONS
BY NUMBER OF PRIOR LIVE BIRTHS AND RESIDENCE
MINNESOTA, 1985

Number of Prior Live Births	Total Reported Abortions		Minnesota Resident Abortions		Resident Percent of Total
	Number	Percent	Number	Percent	
0	11,783	66.6	10,615	66.3	90.1
1	2,850	16.1	2,630	16.4	92.3
2	2,023	11.4	1,830	11.4	90.5
3	702	4.0	629	3.9	89.6
4	196	1.1	181	1.1	92.3
5	72	0.4	63	0.4	87.5
6	22	0.1	18	0.1	81.8
7	22	0.1	21	0.1	95.5
8+	8	0.0	8	0.0	100.0
Unknown	8	0.0	7	0.0	87.5
TOTAL	17,686	100.0	16,002	100.0	90.5

Table 27
ABORTION PATIENTS REPORTING PRIOR LIVE BIRTHS BY AGE GROUP AND RESIDENCE
MINNESOTA, 1985

	Total Reported Abortions			Minnesota Resident Abortions		
Age Group	Number	Prior Live Births[1]	Percent[2]	Number	Prior Live Births[1]	Percent[2]
<18	1,738	68	3.9	1,570	65	4.1
18-19	2,852	318	11.2	2,531	298	11.8
20-24	6,718	1,759	26.2	6,067	1,602	26.4
25-29	3,498	1,713	49.0	3,216	1,574	48.9
30-34	1,795	1,180	65.7	1,641	1,070	65.2
35+	1,064	845	79.4	956	759	79.4
Unknown	21	12	57.1	21	12	57.1
TOTAL	17,686	5,895	33.3	16,002	5,380	33.6

[1] Number of women who reported at least one prior live birth.

[2] Percentage of women within each age group who reported having had at least one prior live birth.

Table 28
REPORTED RESIDENT INDUCED ABORTIONS BY METHOD BY WEEKS OF GESTATION MINNESOTA, 1985

Method[1]	Reported Resident Abortions	Gestation in Weeks[2] (LMP) <9	9-10	11-12	13-15	16+
Vacuum Curettage	14,680	7,459	4,399	2,105	677	40
Dilation & Evacuation	1,303	11	9	21	360	902
Dilation & Curettage	8	4	2	1	0	1
Other[3]	11	6	0	0	1	4
Total	16,002	7,480	4,410	2,127	1,038	947

[1] See definitions of methods in definitions section.

[2] Weeks of gestation as reported by the physician using uterine size and/or LMP indicated by the patient.

[3] The "Other" category includes: prostaglandin; saline/fluid exchange; menstrua extraction (-pregnancy); menstrual extraction (+ pregnancy); hysterectomy; hysterotomy; and other.

Table 29
REPORTED INDUCED ABORTIONS
BY METHOD BY COMPLICATIONS[1] AND RESIDENCE
MINNESOTA, 1985

	Total Reported Abortions				Minnesota Resident Abortions			
Method[2]	Procedures	Percent	Complications	Rate[3]	Procedures	Percent	Complications	Rate[3]
Vacuum Curettage	16,084	90.9	155	9.64	14,680	91.7	152	10.35
Dilation & Evacuation	1,583	9.0	9	5.69	1,303	8.1	9	6.91
Dilation & Curettage	8	0.0	0	0.0	8	0.0	0	0.0
Other[4]	11	0.1	0	0.0	11	0.1	0	0.0
TOTAL	17,686	100.0	164	9.27	16,002	100.0	161	10.06

[1] Reported complications include the categories: hemorrhage (>500 ml), pelvic infection, fever, cervical injury, uterine perforation, retained tissue and other procedure related conditions. In 1982, minor side effects experienced by abortion recipients were for the first time reported as complications. These minor side effects included bleeding (<500 ml), uterine cramping,and elevated temperatures lower than 38 C.

[2] See definitions of methods in defitions section.

[3] Rate is reported complications per 1,000 abortion procedures.

[4] The "Other" category includes: prostaglandin; saline/fluid exchange; menstrual extraction (-pregnancy); mentrual extraction (+pregnancy); hysterectomy, hysterotomy; and other.

Table 30
MARITAL STATUS BY REPORTED CONTRACEPTIVE USE[1]
MINNESOTA RESIDENTS, 1985

		Reported Contraceptive Use[2]							
Age Group	Reported Resident Abortions	Never Used	Percent[3]	Used in Past but Not Now	Percent[3]	Was Using	Percent[3]	Unknown	Percent[3]
Never Married	11,300	1,970	17.4	6,068	53.7	2,948	26.1	314	2.8
Currently Married	2,211	147	6.6	1,168	52.8	808	36.5	88	4.0
Other[4] and Unknown	2,491	144	5.8	1,452	58.3	799	32.1	96	3.9
TOTAL	16,002	2,261	14.1	8,688	54.3	4,555	28.5	498	3.1

[1] These data relative to contraceptive use are subjective as reporting relies on client recall.

[2] Responses given --
Never used - "I've never used any form of birth control."
Used in Past but Not Now - includes responses similar to "I've used some type of birth control but not when I became pregnant" or "I usually use a method of contraception but through human error it was not effective (missed a pill, forgot to check for my IUD, did not use my diaphragm once or twice, etc.)". Please note that when comparing this category to previous years it will be necessary to combine the categories "Discontinued Use" and "Interrupted Use" which were collected and reported separately prior to the 1984 revision of the collection document.
Was Using - "I was using contraception when I became pregnant."

[3] Percent is read horizontally to equal 100%, i.e., each percent is the proportion of women in that marital status reporting any contraceptive use.

[4] Other includes: Divorced, Separated, and Widowed.

Table 31
REPORTED INDUCED ABORTIONS
BY AGE GROUP BY TYPE OF CONTRACEPTION AT CONCEPTION[1]
MINNESOTA RESIDENTS, 1985

Contraceptive Type	Reported Resident Abortions	Age Group						
		<18	18-19	20-24	25-29	30-34	35+	Unknown
None	11,447	1,353	2,079	4,385	2,022	999	598	11
Sponge	901	9	63	362	276	137	54	0
Diaphragm	807	2	23	257	294	143	86	2
Condoms	791	114	150	248	138	78	59	4
Combination Pills	729	42	99	373	154	52	7	2
Foam	250	4	16	84	56	48	41	1
Rhythm	217	9	12	70	47	45	34	0
Withdrawal	170	20	38	67	23	16	6	0
Foam & Condom	162	7	16	58	46	25	10	0
Suppositories	153	2	8	49	49	26	19	0
Intrauterine Device	97	1	3	24	37	20	12	0
Natural Family Planning	48	0	2	19	14	9	4	0
Male/Female Sterilization	41	0	0	11	6	12	12	0
Spermicidal cream/jelly alone	31	0	3	11	7	7	3	0
Mini Pills	26	0	4	8	9	4	0	1
Cervical Cap	24	0	1	7	6	6	4	0
Fertility Awareness	4	0	0	1	1	2	0	0
Injectable	4	0	0	2	0	0	2	0
Other	75	3	10	27	23	9	3	0
Unknown	25	4	4	4	8	3	2	0
TOTAL	16,002	1,570	2,531	6,067	3,216	1,641	956	21

---

[1] These data relative to contraceptive use are subjective as reporting relies on client recall.
2... Data were suppressed in order to preserve confidentiality of recipients.

Table 32
REPORTED INDUCED ABORTIONS BY AGE GROUP BY CONTRACEPTIVE USE[1]
MINNESOTA RESIDENTS, 1985

		Reported Contraceptive Use[2]							
Age Group	Reported Resident Abortions	Never Used	Percent[3]	Used in Past but Not Now	Percent[3]	Was Using	Percent[3]	Unknown	Percent[3]
<15	103	72	69.9	21	20.4	7	6.8	3	2.9
15-17	1,467	607	41.4	606	41.3	210	14.3	44	3.0
18-19	2,531	624	24.7	1,379	54.5	452	17.9	76	3.0
20-24	6,067	667	11.0	3,543	58.4	1,682	27.7	175	2.9
25-29	3,216	150	4.7	1,778	55.3	1,194	37.1	94	2.9
30-34	1,641	66	4.0	870	53.0	642	39.1	63	3.8
35-39	758	41	5.4	383	50.5	297	39.2	37	4.9
40+	198	32	16.2	99	50.0	61	30.8	6	3.0
Unknown	21	2	9.5	9	42.9	10	47.6	0	0.0
TOTAL	16,002	2,261	14.1	8,688	54.3	4,555	28.5	498	3.1

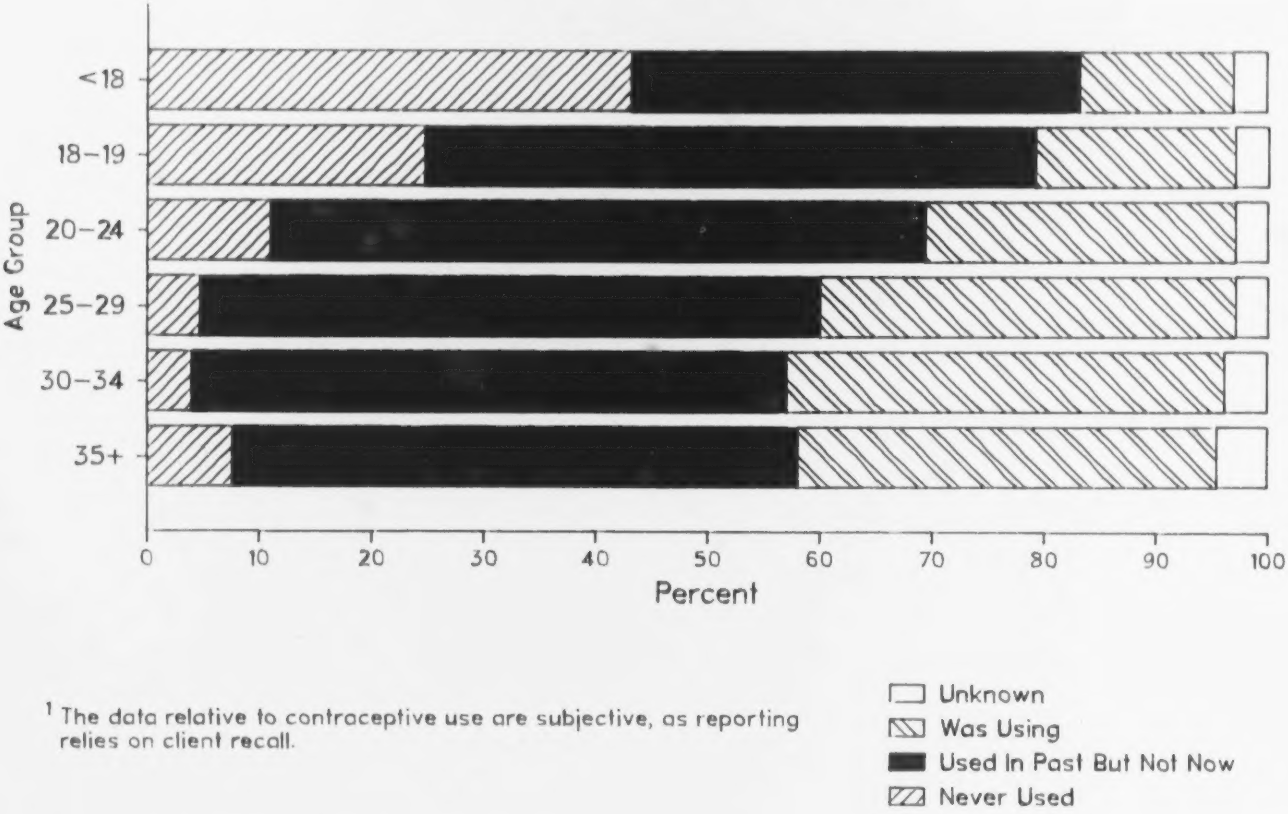
[1] These data relative to contraceptive use are subjective as reporting relies on client recall.

[2] Responses given --
Never used - "I've never used any form of birth control."
Used in Past but Not Now - includes responses similar to "I've used some type of birth control but not when I became pregnant" or "I usually use a method of contraception but through human error it was not effective (missed a pill forgot to check for my IUD, did not use my diaphragm once or twice, etc.)". Please note that when comparing this category to previous years it will be necessary to combine the categories "Discontinued Use" and "Interrupted Use" which were collected and reported separately prior to the 1984 revision of the collection document.
Was Using - "I was using contraception when I became pregnant."

[3] Percent is read horizontally to equal 100%, i.e., each percent is the proportion of women in that age group reporting any contraceptive use.

Figure 17

LEVEL OF CONTRACEPTIVE USE BY AGE GROUP RECIEVING INDUCED ABORTIONS
MINNESOTA RESIDENTS, 1985[1]



[1] The data relative to contraceptive use are subjective, as reporting relies on client recall.

Table 33
REPORTED INDUCED ABORTIONS BY QUARTER AND RESIDENCE MINNESOTA, 1985

Quarter	Total Reported Abortions Number	Total Reported Abortions Percent	Minnesota Resident Abortions Number	Minnesota Resident Abortions Percent	Resident Percent
Jan - Mar	4,738	26.8	4,256	26.6	89.8
Apr - June	4,393	24.8	3,969	24.8	90.3
July - Sept	4,456	25.2	4,036	25.2	90.6
Oct - Dec	4,099	23.2	3,741	23.4	91.3
TOTAL	17,686	100.0	16,002	100.0	90.5

Figure 18

NUMBER OF ABORTIONS BY MONTH PERFORMED
MINNESOTA RESIDENTS, 1985

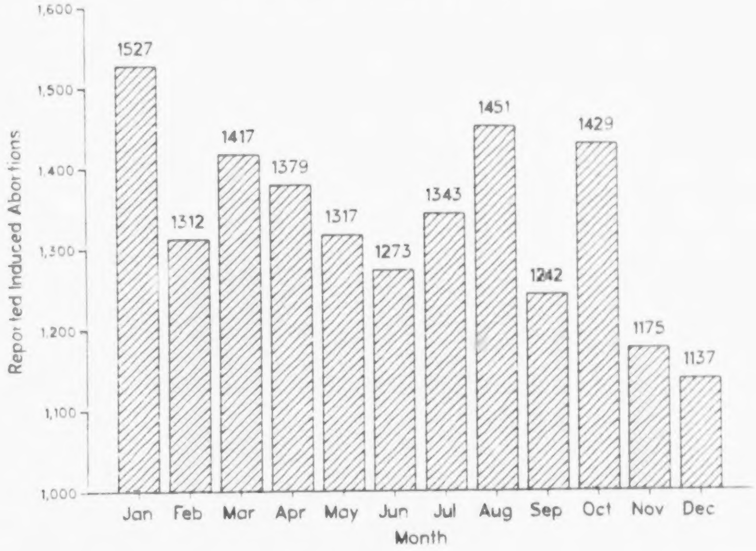
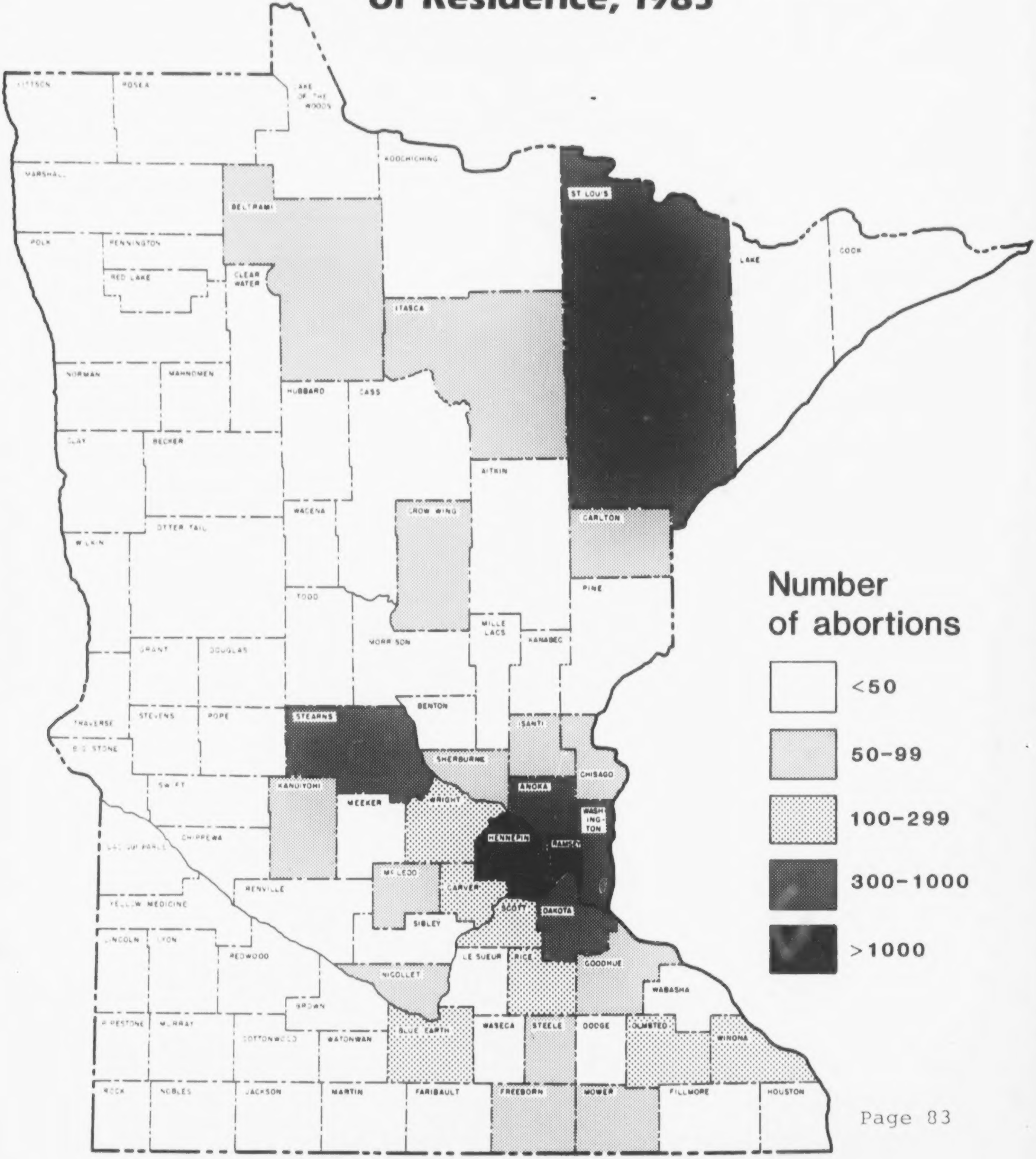


Figure 19
Reported Induced Abortions by County of Residence, 1985


KITTSON
ROSEAU
LAKE OF THE WOODS
KOOCHICHING
MARSHALL
BELTRAMI
ST LOUIS
LAKE
COOK
POLK
PENNINGTON
RED LAKE
CLEAR WATER
ITASCA
NORMAN
MAHNOMEN
HUBBARD
CASS
CLAY
BECKER
AITKIN
WADENA
CROW WING
CARLTON
WILKIN
OTTER TAIL
TODD
PINE
MILLE LACS
KANABEC
MORRISON
GRANT
DOUGLAS
BENTON
TRAVERSE
STEVENS
POPE
STEARNS
ISANTI
BIG STONE
SHERBURNE
CHISAGO
SWIFT
KANDIYOHI
MEEKER
WRIGHT
ANOKA
WASH-ING-TON
HENNEPIN
RAMSEY
CHIPPEWA
LAC QUI PARLE
McLEOD
CARVER
RENVILLE
YELLOW MEDICINE
SCOTT
DAKOTA
SIBLEY
LINCOLN
LYON
REDWOOD
LE SUEUR
RICE
GOODHUE
NICOLLET
WABASHA
BROWN
PIPESTONE
MURRAY
COTTONWOOD
WATONWAN
BLUE EARTH
WASECA
STEELE
DODGE
OLMSTED
WINONA
ROCK
NOBLES
JACKSON
MARTIN
FARIBAULT
FREEBORN
MOWER
FILLMORE
HOUSTON
Number of abortions
<50
50-99
100-299
300-1000
>1000

Minnesota Department of Health – 1987

Table 34

REPORTED INDUCED ABORTIONS OCCURRING IN MINNESOTA TO NON-MINNESOTA RESIDENTS BY STATE OR COUNTRY OF RESIDENCE, 1985

State or Foreign Country of Residence	Number	Percent
Illinois	17	1.0
Iowa	106	6.3
Michigan	60	3.6
North Dakota	77	4.6
South Dakota	114	6.8
Wisconsin	1,058	62.8
Other U.S. States	61	3.6
Canada	153	9.1
Other Foreign Countries and Unknown	38	2.3
TOTAL	1,684	100.0

FERTILITY

Table 35
TOTAL REPORTED PREGNANCIES BY OUTCOME TYPE AND RATE
MINNESOTA RESIDENTS, 1975-1985

	Outcome Type					
Year	Live Births	Reported[1] Induced Abortions	Fetal[2] Deaths	Total[3] Reported Pregnancies	Female Population Ages 15-44	Pregnancy[4] Rate
1975	56,463	8,129	479	65,071	863,882	75.3
1976	56,599	11,109	487	68,195	886,997	76.8
1977	60,284	13,024	471	73,779	902,754	81.7
1978	61,998	14,178	468	76,644	923,409	83.0
1979	65,325	15,639	445	81,409	947,367	85.9
1980	67,843	16,490	449	84,782	958,773	88.4
1981	68,652	15,821	461	84,934	967,087	87.8
1982	68,512	15,559	429	84,500	977,905	86.4
1983	65,559	14,517	457	80,530	981,287	82.0
1984	66,715	15,556	465	82,736	983,004	84.1
1985	67,412	16,002	439	83,853	991,671	84.5

---

[1] Includes only those reported induced abortions occurring in Minnesota to Minnesota residents
[2] Includes reported fetal deaths of 20 weeks or more gestation
[3] Excludes miscarriages
[4] Number of pregnancies per 1,000 women in the population of ages 15 through 44

Table 36
PREGNANCY OUTCOMES AND PREGNANCY RATES BY AGE OF WOMAN
MINNESOTA RESIDENTS, 1980-1985

		Age of Woman								
Year	Total*	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
1980										
Live Births	67,843	45	1,988	5,000	22,546	24,035	11,300	2,485	437	7
Fetal Deaths	449	1	13	38	140	131	79	29	9	9
Induced Abortions	16,490	104	2,223	3,380	6,054	2,823	1,219	491	183	13
Total Pregnancies**	84,782	150	4,224	8,418	28,740	26,989	12,598	3,005	629	29
Age Specific Pregnancy Rate***	80.2	1.5	36.9	101.3	144.6	149.3	80.5	24.4	6.2	-
1981										
Live Births	68,652	48	1,881	4,741	22,293	24,361	12,235	2,659	425	9
Fetal Deaths	461	-	18	31	135	162	78	23	6	8
Induced Abortions	15,821	83	1,737	3,064	6,047	2,847	1,334	525	175	9
Total Pregnancies**	84,934	131	3,636	7,836	28,475	27,370	13,647	3,207	606	26
Age Specific Pregnancy Rate***	79.9	1.4	33.4	99.0	143.6	148.2	84.6	24.6	5.8	-
1982										
Live Births	68,512	57	1,721	4,347	21,751	24,369	12,735	3,064	458	10
Fetal Deaths	429	-	16	37	132	121	88	27	6	2
Induced Abortions	15,559	82	1,482	2,799	5,963	2,972	1,461	570	178	52
Total Pregnancies**	84,500	139	3,219	7,183	27,846	27,462	14,284	3,661	642	64
Age Specific Pregnancy Rate***	78.7	1.5	30.8	94.2	140.7	145.2	86.2	26.8	6.0	-
1983										
Live Births	65,559	53	1,521	3,756	19,844	23,734	13,042	3,154	451	4
Fetal Deaths	457	2	15	35	137	134	85	36	5	8
Induced Abortions	14,517	96	1,337	2,548	5,488	2,871	1,359	607	176	35
Total Pregnancies**	80,533	151	2,873	6,339	25,469	26,739	14,486	3,797	632	47
Age Specific Pregnancy Rate***	74.8	1.6	27.4	82.9	128.3	141.0	87.0	27.7	5.8	-
1984										
Live Births	66,715	50	1,604	3,608	19,417	24,348	13,676	3,523	478	11
Fetal Deaths	465	-	19	24	136	139	106	31	6	4
Induced Abortions	15,556	90	1,305	2,586	6,032	3,111	1,575	627	212	18
Total Pregnancies**	82,736	140	2,928	6,218	25,585	27,598	15,357	4,181	696	33
Age Specific Pregnancy Rate***	77.1	1.6	30.7	89.1	134.7	143.4	89.4	28.6	5.9	-
1985										
Live Births	67,412	55	1,518	3,509	18,968	24,797	14,283	3,804	467	11
Fetal Deaths	439	-	15	26	109	155	93	25	8	8
Induced Abortions	16,002	103	1,467	2,531	6,067	3,216	1,641	758	198	21
Total Pregnancies**	83,555	158	3,000	6,066	25,144	28,168	16,017	4,587	673	40
Age Specific Pregnancy Rate***	77.5	1.7	31.2	86.3	121.2	145.0	92.3	31.1	5.7	-

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* For purposes of this table total pregnancy rates are calculated per 1,000 female population of ages 12 through 44

** Does not include miscarriages

*** Total pregnancies within a specified age group per 1,000 female population within the same age group

INFANT MORTALITY & FETAL DEATHS

Table 37
INFANT, NEONATAL AND POSTNEONATAL DEATHS BY CAUSE
MINNESOTA RESIDENTS, 1985

Causes of Death	Infant Deaths	Neonatal Total	Neonatal Under 1 Day	Neonatal 1-6 Days	Neonatal 7-27 Days	Post-neonatal
All Causes - Total	591	364	216	90	58	227
Certain conditions originating in the perinatal period	234	224	146	48	30	10
Respiratory distress snydrome	52	50	22	18	10	2
Maternal conditions	49	49	46	2	1	-
Selected respiratory conditions of fetus and newborn	40	36	22	5	9	4
Short gestation and low birth weight	34	33	32	1	-	1
Intrauterine hypoxia and birth asphyxia	9	8	3	4	1	1
Fetal and neonatal hemorrhage	6	6	-	6	-	-
Birth trauma	5	5	1	4	-	-
Congenital anomalies	140	103	53	36	14	37
Of heart	34	16	3	10	3	18
Of respiratory system	23	21	15	4	2	2
Anencephalus and similar anomalies	17	16	13	3	-	1
Chromosomal anomalies	13	9	3	4	2	4
Of urinary system	7	7	4	3	-	-
Symptoms, signs, and ill-defined conditions	134	15	5	1	9	119
Sudden infant death syndrome	134	15	5	1	9	119
Diseases of the respiratory system	16	4	2	2	-	12
Pneumonia and influenza	9	2	2	-	-	7
Injury and poisoning	16	4	2	1	1	12
Unintentional injury	13	2	-	1	1	11
Mechanical suffocation	5	1	-	-	1	4
Motor vehicle	1	-	-	-	-	1
Injury undetermined whether unintentionally or purposely inflicted	2	2	2	-	-	-
Homicide	1	-	-	-	-	1
Diseases of the nervous system and sense organs	14	2	1	-	1	12
Diseases of the circulatory system	13	3	2	1	-	10
Neoplasms	7	3	2	-	1	4
Malignant neoplasms	6	2	1	-	1	4
Infective and parasitic diseases	5	1	1	-	-	4
Septicemia	1	-	-	-	-	1
Diseases of the digestive system	5	2	2	-	-	3
Diseases of the blood and blood forming organs	3	1	-	-	1	2
Endocrine, nutritional, and metabolic diseases and immunity disorders	2	1	-	1	-	1
Diseases of the genitourinary system	2	1	-	-	1	1

Table [illegible]
FETAL DEATHS OF 20 WEEKS AND OVER BY CAUSE AND WEIGHT OF FETUS
MINNESOTA RESIDENTS, 1985

		Weight in Grams									
Cause of Death	Total Fetal Deaths	999 or Less	1,000 to 1,499	1,500 to 1,999	2,000 to 2,499	2,500 to 2,999	3,000 to 3,499	3,500 to 3,999	4,000 to 4,499	4,500 and Over	Weight Unknown
Total All Causes	439	128	29	37	38	35	35	22	7	4	104
Complications of Placenta, Cord, or Membranes	173	43	9	18	19	12	18	8	4	1	41
Congenital Anomalies	32	12	2	4	1	2	1	-	1	-	9
Anencephalus and Similar Anomalies	(9)	(3)	(-)	(2)	(-)	(-)	(1)	(-)	(-)	(-)	(3)
Hydrocephalus	(1)	(1)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Maternal Conditions Related to Pregnancy	39	26	3	-	-	-	-	-	-	-	10
Short Gestation and Low Birthweight	11	6	1	-	-	-	-	1	-	-	3
Maternal Conditions Unrelated to Pregnancy	21	8	2	-	3	2	1	1	1	-	3
Other Diseases or Conditions Specific to the Perinatal Period	15	2	1	2	2	3	3	-	-	-	2
Hypoxia and Birth Asphyxia	8	-	-	-	2	2	2	1	-	1	-
Complications of Labor and Delivery	6	1	-	-	1	1	-	1	-	-	2
Malpresentation of Fetus	(1)	(1)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Slow Fetal Growth and Fetal Malnutrition	4	1	-	1	-	-	-	-	-	-	2
Syndrome of "Infant of a Diabetic Mother"	10	2	-	-	1	-	2	-	-	1	4
Other Diseases Not Specific to Perinatal Period	3	-	1	-	-	-	-	-	-	-	2
Hemolytic Disease of Fetus	1	-	-	1	-	-	-	-	-	-	-
Ill-defined Conditions Originating in Perinatal Period	116	27	10	11	9	13	8	10	1	1	26

GENERAL MORTALITY

Every day in 1985, residents of Minnesota experienced an average of:

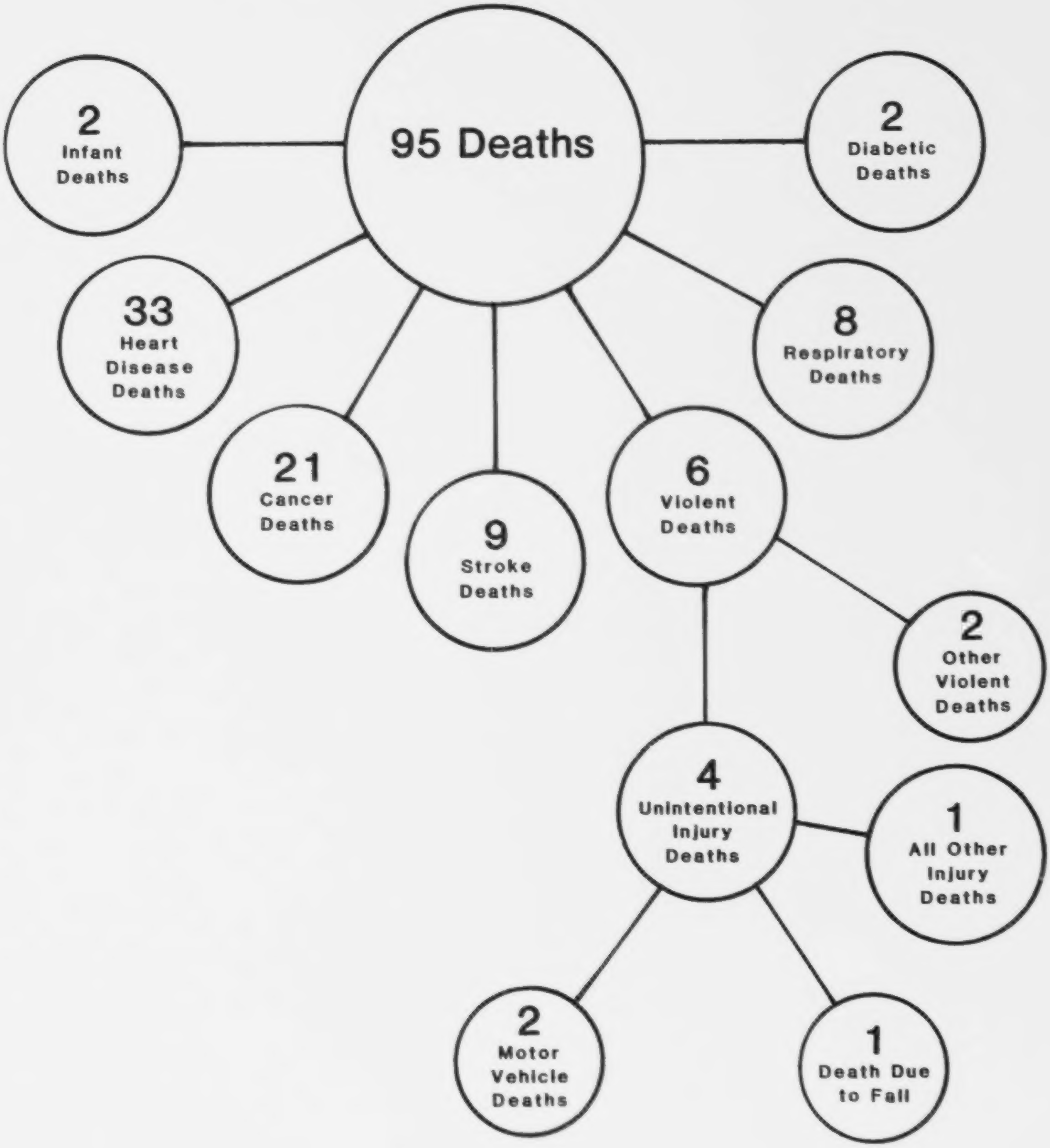
95 Deaths
2 Infant Deaths
2 Diabetic Deaths
33 Heart Disease Deaths
8 Respiratory Deaths
21 Cancer Deaths
9 Stroke Deaths
6 Violent Deaths
2 Other Violent Deaths
4 Unintentional Injury Deaths
1 All Other Injury Deaths
2 Motor Vehicle Deaths
1 Death Due to Fall

Table 39
DEATHS BY COUNTY OF OCCURRENCE DISTRIBUTED ACCORDING TO RESIDENCE: RESIDENT DEATHS DISTRIBUTED ACCORDING TO PLACE OF DEATH
MINNESOTA, 1985

	Deaths Occurring in County				Resident Deaths		
					Outside County		
County	Total	County Residents	Other Minnesota Residents	Out of State Residents	Within Minnesota	Outside Minnesota	Total
State Total	35,058	27,248	6,080	1,730	6,080	1,465	34,793
Aitkin	155	134	19	2	63	4	201
Anoka	905	602	287	16	295	23	920
Becker	222	195	18	9	23	57	275
Beltrami	256	201	48	7	29	16	246
Benton	150	103	46	1	109	2	214
Big Stone	108	76	23	9	18	16	110
Blue Earth	439	330	106	3	52	7	389
Brown	290	244	46	-	52	3	299
Carlton	270	214	52	4	66	2	282
Carver	227	145	80	2	115	3	263
Cass	164	127	30	7	162	12	301
Chippewa	142	125	16	1	44	4	173
Chisago	173	133	32	8	72	23	228
Clay	242	203	26	13	13	152	368
Clearwater	95	73	18	4	23	8	104
Cook	36	27	8	1	9	1	37
Cottonwood	145	128	16	1	26	9	163
Crow Wing	451	342	93	16	74	12	428
Dakota	846	666	155	25	391	24	1,081
Dodge	59	51	8	-	70	4	125
Douglas	322	278	42	2	29	7	314
Faribault	192	164	13	15	52	8	224
Fillmore	187	157	22	8	67	20	244
Freeborn	345	292	31	22	55	11	358
Goodhue	398	328	41	29	75	5	408
Grant	89	70	17	2	25	3	98
Hennepin	8,844	6,980	1,513	351	588	155	7,723
Minneapolis	4,388	2,755	1,430	203	1,125	54	3,934
Houston	123	113	7	3	10	71	194
Hubbard	161	93	62	6	29	18	140
Isanti	175	121	54	-	48	1	170
Itasca	375	312	56	7	70	6	388
Jackson	119	104	14	1	22	15	141
Kanabec	104	80	24	-	32	4	116
Kandiyohi	367	260	105	2	44	11	315
Kittson	106	93	10	3	5	10	108
Koochiching	142	134	4	4	24	8	166
Lac Qui Parle	109	102	5	2	30	4	136
Lake	81	71	8	2	20	2	93
Lake of the Woods	37	28	8	1	7	6	41
Le Sueur	142	119	22	1	105	5	229
Lincoln	77	58	11	8	13	9	80
Lyon	203	178	25	-	26	21	225
McLeod	328	260	67	1	65	5	330
Mahnomen	49	42	7	-	14	8	64
Marshall	61	55	5	1	47	25	127
Martin	266	245	2	19	38	19	302
Meeker	226	176	49	1	53	1	230
Mille Lacs	199	152	46	1	34	1	187
Morrison	228	200	24	4	68	2	270
Mower	345	318	23	4	86	17	421

Table 39
DEATHS BY COUNTY OF OCCURRENCE DISTRIBUTED ACCORDING TO RESIDENCE: RESIDENT DEATHS DISTRIBUTED ACCORDING TO PLACE OF DEATH, MINNESOTA, 1985 (CONT.)

	Deaths Occurring in County				Resident Deaths		
					Outside County		
County	Total	County Residents	Other Minnesota Residents	Out of State Residents	Within Minnesota	Outside Minnesota	Total
Murray	88	82	4	2	31	20	133
Nicollet	148	112	33	3	64	5	181
Nobles	235	187	37	11	31	21	239
Norman	94	77	16	1	22	20	119
Olmsted	1,506	552	443	511	36	17	605
Otter Tail	463	426	26	11	92	73	591
Pennington	179	129	49	1	14	9	152
Pine	110	103	7	-	104	4	211
Pipestone	135	122	11	2	3	25	150
Polk	313	253	37	23	24	68	345
Pope	141	115	25	1	23	3	141
Ramsey	4,340	3,431	755	154	505	80	4,016
St. Paul	3,545	2,338	1,059	148	405	43	2,786
Red Lake	32	25	7	-	21	5	51
Redwood	161	133	27	1	67	7	207
Renville	178	159	17	2	75	7	241
Rice	352	293	52	7	60	7	360
Rock	104	88	13	3	11	22	121
Roseau	113	103	7	3	14	20	137
St. Louis	2,431	2,052	184	195	110	33	2,195
Duluth	1,412	964	266	182	102	22	1,088
Scott	346	234	112	-	73	3	310
Sherburne	170	119	48	3	110	4	233
Sibley	99	84	15	-	55	2	141
Stearns	869	554	295	20	128	8	690
Steele	175	149	25	1	72	6	227
Stevens	104	91	13	-	16	3	110
Swift	109	99	10	-	39	4	142
Todd	164	151	8	5	91	6	248
Traverse	60	44	9	7	19	14	77
Wabasha	178	137	27	14	64	5	206
Wadena	238	137	101	-	31	17	185
Waseca	122	104	14	4	57	-	161
Washington	427	332	75	20	251	34	617
Watonwan	120	100	19	1	37	3	140
Wilkin	136	71	5	60	6	8	85
Winona	375	323	22	30	40	28	391
Wright	327	264	62	1	159	6	429
Yellow Medicine	141	111	26	4	33	8	152
Unknown	-	-	-	-	5	-	5

Table 40
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1985

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T	34,793*	591	130	62	69	227	286	288	280	344	413	576	914	1,512	2,244	3,075	4,035	4,875	5,213	9,657
		M	17,910*	350	75	32	44	156	219	206	189	209	254	387	542	970	1,451	1,909	2,378	2,644	2,467	3,426
		F	16,883	241	55	30	25	71	67	82	91	135	159	189	372	542	793	1,166	1,657	2,231	2,746	6,231
000-139 I.	INFECTIOUS AND PARASITIC DISEASES	T	300	5	2	1	1	2	1	6	7	6	3	7	5	5	21	26	38	48	40	76
		M	145	4	1	-	-	-	-	3	5	5	2	4	4	2	13	13	19	25	21	24
		F	155	1	1	1	1	2	1	3	2	1	1	3	1	3	8	13	19	23	19	52
001-009	Intestinal Infectious Diseases	T	5	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	2
		M	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
		F	3	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	1
004	Shigellosis	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
010-018, 137	Tuberculosis (Including Late Effects Of)	T	18	-	-	-	-	-	-	1	-	-	-	1	-	-	2	3	4	1	2	4
		M	5	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	-	-	1
		F	13	-	-	-	-	-	-	1	-	-	-	1	-	-	-	3	2	1	2	3
010-012	Respiratory Tuberculosis (Active)	T	10	-	-	-	-	-	-	1	-	-	-	-	-	-	2	2	2	-	1	2
		M	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1
		F	7	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2	2	-	1	1
013-018	Other Tuberculosis (Active)	T	5	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	1	-	2
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	5	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	1	-	2
137	Late Effects of Tuberculosis	T	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-
		M	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
		F	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
032	Diphtheria	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
033	Whooping Cough	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
034-035	Streptococcal Sore Throat, Scarlatina, and Erysipelas	T	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
036	Meningococcal Infection	T	5	1	-	-	-	1	-	-	-	-	-	-	-	-	-	1	1	-	-	1
		M	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	1	-	-	1
037	Tetanus	T	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
038	Septicemia	T	173	1	-	-	1	1	-	-	1	2	2	1	1	2	13	8	25	34	28	53
		M	80	1	-	-	-	-	-	-	-	2	2	1	1	-	7	4	14	18	14	16
		F	93	-	-	-	1	1	-	-	1	-	-	-	-	2	6	4	11	16	14	37
045	Acute Poliomyelitis	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
055	Measles	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
062-064	Viral Encephalitis (Acute)	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
070	Viral Hepatitis	T	3	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	3	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	-	-	-	-
090-097	Syphilis	T	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1
		M	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residual	Other Infectious and Parasitic Diseases	T	90	2	2	1	-	-	1	5	6	3	-	5	3	3	4	13	8	11	10	13
		M	54	1	1	-	-	-	-	3	5	3	-	3	3	2	3	9	3	6	7	5
		F	36	1	1	1	-	-	1	2	1	-	-	2	-	1	1	4	5	5	3	8

Table 40
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX MINNESOTA RESIDENTS, 1985 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T	34,793*	591	130	62	69	227	286	288	280	344	413	576	914	1,512	2,244	3,075	4,035	4,875	5,213	9,657
		M	17,910*	350	75	32	44	156	219	206	189	209	254	387	542	970	1,451	1,909	2,378	2,644	2,467	3,426
		F	16,883	241	55	30	25	71	67	82	91	135	159	189	372	542	793	1,166	1,657	2,231	2,746	6,231
140-239	II. NEOPLASMS	T	7,687	7	16	11	5	20	31	31	45	84	127	195	325	577	834	1,008	1,172	1,202	920	1,077
		M	4,023	5	7	6	3	12	21	12	20	35	51	97	141	320	470	578	675	657	447	466
		F	3,664	2	9	5	2	8	10	19	25	49	76	98	184	257	364	430	497	545	473	611
140-208	Malignant Neoplasms	T	7,560	6	16	11	5	18	31	28	43	80	124	191	323	570	827	998	1,150	1,182	909	1,048
		M	3,973	5	7	6	3	11	21	11	18	34	50	96	141	315	469	575	664	647	442	458
		F	3,587	1	9	5	2	7	10	17	25	46	74	95	182	255	358	423	486	535	467	590
140-149	Of Lip, Oral Cavity and Pharynx	T	120	-	-	-	-	-	-	1	-	1	3	6	7	13	14	20	17	16	9	13
		M	80	-	-	-	-	-	-	1	-	1	-	4	4	10	10	13	13	12	6	6
		F	40	-	-	-	-	-	-	-	-	-	3	2	3	3	4	7	4	4	3	7
150-159	Of Digestive Organs and Peritoneum	T	2,035	-	1	-	-	-	2	3	5	10	22	30	65	131	207	245	310	357	282	365
		M	1,091	-	-	-	-	-	2	3	2	4	12	22	42	88	135	153	186	190	121	131
		F	944	-	1	-	-	-	-	-	3	6	10	8	23	43	72	92	124	167	161	234
150	Of Esophagus	T	137	-	-	-	-	-	-	-	-	-	-	2	7	16	15	22	21	23	13	18
		M	107	-	-	-	-	-	-	-	-	-	-	2	7	13	15	18	19	18	5	10
		F	30	-	-	-	-	-	-	-	-	-	-	-	-	3	-	4	2	5	8	8
151	Of Stomach	T	277	-	-	-	-	-	-	-	2	2	4	1	6	17	29	32	42	45	38	59
		M	165	-	-	-	-	-	-	-	2	1	4	1	5	12	22	23	29	28	17	21
		F	112	-	-	-	-	-	-	-	-	1	-	-	1	5	7	9	13	17	21	38
152	Of Small Intestine, Including Duodenum	T	20	-	-	-	-	-	-	-	-	-	-	1	1	1	2	2	1	3	7	2
		M	13	-	-	-	-	-	-	-	-	-	-	1	1	1	2	2	-	1	5	-
		F	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	2
153	Of Colon	T	813	-	-	-	-	-	-	3	1	5	11	12	31	39	84	87	122	145	118	155
		M	414	-	-	-	-	-	-	3	-	1	5	8	19	23	45	53	75	74	52	56
		F	399	-	-	-	-	-	-	-	1	4	6	4	12	16	39	34	47	71	66	99
154	Of Rectum, Rectosigmoid Junction and Anus	T	121	-	-	-	-	-	-	-	2	-	2	3	3	12	10	16	19	17	9	28
		M	67	-	-	-	-	-	-	-	-	-	1	3	3	7	10	11	9	12	5	6
		F	54	-	-	-	-	-	-	-	2	-	1	-	-	5	-	5	10	5	4	22
160-165	Of Respiratory System	T	1,669	-	-	-	-	-	3	1	5	7	18	44	87	174	237	292	310	253	143	95
		M	1,166	-	-	-	-	-	2	-	2	4	10	30	43	120	169	201	233	187	99	66
		F	503	-	-	-	-	-	1	1	3	3	8	14	44	54	68	91	77	66	44	29
162	Of Trachea, Bronchus and Lung	T	1,596	-	-	-	-	-	1	1	4	7	17	44	81	167	222	281	304	243	138	86
		M	1,113	-	-	-	-	-	-	-	2	4	10	30	41	115	159	193	228	179	94	58
		F	483	-	-	-	-	-	1	1	2	3	7	14	40	52	63	88	76	64	44	28
170-175	Of Bone, Connective Tissue, Skin and Breast	T	925	1	-	-	-	3	3	6	12	24	31	55	64	79	103	103	124	111	87	119
		M	86	1	-	-	-	1	3	1	3	2	4	6	5	6	8	8	8	11	9	10
		F	839	-	-	-	-	2	-	5	9	22	27	49	59	73	95	95	116	100	78	109
172-173	Of Skin	T	99	-	-	-	-	-	-	2	4	2	3	8	8	6	8	11	8	10	10	19
		M	46	-	-	-	-	-	-	1	1	1	2	4	4	3	3	4	3	6	7	7
		F	53	-	-	-	-	-	-	1	3	1	1	4	4	3	5	7	5	4	3	12
174-175	Of Breast	T	760	-	-	-	-	-	-	2	6	20	25	44	54	68	88	84	107	92	73	97
		M	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	2
		F	755	-	-	-	-	-	-	2	6	20	25	44	54	68	87	83	106	92	73	95
179-189	Of Genitourinary Organs	T	1,220	-	-	1	-	-	4	-	5	5	12	15	32	63	124	139	194	201	199	226
		M	700	-	-	-	-	-	3	-	1	1	5	3	13	23	62	79	111	131	123	145
		F	520	-	-	1	-	-	1	-	4	4	7	12	19	40	62	60	83	70	76	81
179-182	Of Uterus, Cervix and Placenta	T	147	-	-	-	-	-	-	-	4	3	3	7	3	8	16	15	19	21	23	25
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	147	-	-	-	-	-	-	-	4	3	3	7	3	8	16	15	19	21	23	25
185	Of Prostate	T	479	-	-	-	-	-	-	-	-	-	1	-	4	9	35	48	80	100	85	117
		M	479	-	-	-	-	-	-	-	-	-	1	-	4	9	35	48	80	100	85	117
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
190-199	Of Other and Unspecified Sites	T	749	5	8	6	2	6	3	5	5	14	15	18	32	66	72	98	92	116	82	104
		M	387	4	2	3	-	5	1	1	3	10	9	15	18	41	42	60	50	51	35	37
		F	362	1	6	3	2	1	2	4	2	4	6	3	14	25	30	38	42	65	47	67
191-192	Of Brain and Other Parts of Central Nervous System	T	221	1	2	4	2	5	2	3	5	11	10	9	11	32	19	25	25	31	13	11
		M	131	1	1	2	-	4	-	-	3	9	7	8	5	23	11	17	13	16	6	5
		F	90	-	1	2	2	1	2	3	2	2	3	1	6	9	8	8	12	15	7	6

Table 40
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX MINNESOTA RESIDENTS, 1985 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T	34,793*	591	130	62	69	227	286	288	280	344	413	576	914	1,512	2,244	3,075	4,035	4,875	5,213	9,657
		M	17,910*	350	75	32	44	156	219	206	189	209	254	387	542	970	1,451	1,909	2,378	2,644	2,467	3,426
		F	16,883	241	55	30	25	71	67	82	91	135	159	189	372	542	793	1,166	1,657	2,231	2,746	6,231
200-	Of Lymphatic and	T	842	-	7	4	3	9	16	12	11	19	23	23	36	44	70	101	103	128	107	126
208	Hematopoietic Tissue	M	463	-	5	3	3	5	10	5	7	12	10	16	16	27	43	61	63	65	49	63
		F	379	-	2	1	-	4	6	7	4	7	13	7	20	17	27	40	40	63	58	63
201	Hodgkin's Disease	T	28	-	-	-	1	-	2	3	2	1	-	3	2	1	1	3	3	5	-	1
		M	12	-	-	-	1	-	-	2	1	-	-	1	1	1	-	2	3	-	-	-
		F	16	-	-	-	-	-	2	1	1	1	-	2	1	-	1	1	-	5	-	1
204-	Leukemia	T	353	-	6	3	1	9	10	7	6	11	12	8	14	13	33	36	40	53	36	55
208		M	207	-	4	2	1	5	7	2	3	7	8	7	6	7	24	22	28	29	18	27
		F	146	-	2	1	-	4	3	5	3	4	4	1	8	6	9	14	12	24	18	28
210-	Benign Neoplasms	T	127	1	-	-	-	2	-	3	2	4	3	4	2	7	7	10	22	20	11	29
239	and Neoplasms of	M	50	-	-	-	-	1	-	1	2	1	1	1	-	5	1	3	11	10	5	8
	Uncertain Behavior	F	77	1	-	-	-	1	-	2	-	3	2	3	2	2	6	7	11	10	6	21
240-	III. ENDOCRINE, NUTRITIONAL	T	784	2	8	2	2	2	3	9	4	10	13	8	19	39	56	64	95	108	116	224
279	AND METABOLIC DISEASES	M	346	-	4	1	2	1	3	6	3	9	8	7	10	24	32	34	46	38	50	68
	AND IMMUNITY DISORDERS	F	438	2	4	1	-	1	-	3	1	1	5	1	9	15	24	30	49	70	66	156
250	Diabetes Mellitus	T	560	-	-	-	-	-	1	5	2	7	9	7	16	32	43	51	75	89	90	133
		M	248	-	-	-	-	-	1	2	1	6	6	7	9	20	21	27	39	29	40	40
		F	312	-	-	-	-	-	-	3	1	1	3	-	7	12	22	24	36	60	50	93
260-	Nutritional	T	72	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	4	4	10	51
269	Deficiencies	M	23	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	2	3	15
		F	49	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	2	7	36
Re-	(240-249,	T	152	2	8	2	2	2	2	4	2	3	4	1	3	7	11	12	16	15	16	40
sid-	251-259,	M	75	-	4	1	2	1	2	4	2	3	2	-	1	4	10	6	6	7	7	13
ual	270-279)	F	77	2	4	1	-	1	-	-	-	-	2	1	2	3	1	6	10	8	9	27
280-	IV. DISEASES OF THE	T	138	3	1	3	-	-	1	1	3	3	-	1	2	8	8	9	13	17	28	37
289	BLOOD AND BLOOD-	M	62	3	1	1	-	-	-	1	1	1	-	1	-	1	4	5	7	8	15	13
	FORMING ORGANS	F	76	-	-	2	-	-	1	-	2	2	-	-	2	7	4	4	6	9	13	24
280-	Anemias	T	64	-	1	3	-	-	-	-	1	1	-	1	1	4	2	2	6	6	12	24
285		M	29	-	1	1	-	-	-	-	1	1	-	1	-	1	-	-	3	3	8	9
		F	35	-	-	2	-	-	-	-	-	-	-	-	1	3	2	2	3	3	4	15
Re-	(286-289)	T	74	3	-	-	-	-	1	1	2	2	-	-	1	4	6	7	7	11	16	13
sid-		M	33	3	-	-	-	-	-	1	-	-	-	-	-	-	4	5	4	5	7	4
ual		F	41	-	-	-	-	-	1	-	2	2	-	-	1	4	2	2	3	6	9	9
290-	V. MENTAL DISORDERS	T	455	-	-	-	-	-	2	4	2	3	4	8	4	20	20	19	39	51	79	200
319		M	188	-	-	-	-	-	1	3	1	2	3	7	2	15	16	14	26	25	24	49
		F	267	-	-	-	-	-	1	1	1	1	1	1	2	5	4	5	13	26	55	151
320-	VI. DISEASES OF THE	T	666	14	8	5	6	6	3	3	9	8	10	12	11	21	36	44	80	106	124	160
389	NERVOUS SYSTEM AND	M	335	11	5	-	4	5	3	2	5	5	4	7	5	9	19	20	46	59	60	66
	SENSE ORGANS	F	331	3	3	5	2	1	-	1	4	3	6	5	6	12	17	24	34	47	64	94
320-	Meningitis (Excludes	T	16	7	1	1	-	-	-	-	-	1	-	1	1	1	-	-	-	-	1	2
322	Infective Meningitis)	M	8	5	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	1
		F	8	2	1	1	-	-	-	-	-	1	-	-	1	-	-	-	-	-	1	1
322	Parkinson's Disease	T	161	-	-	-	-	-	-	-	-	-	-	-	-	2	-	4	20	36	35	64
		M	78	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	12	21	17	25
		F	83	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	8	15	18	39
340	Multiple Sclerosis	T	28	-	-	-	-	-	-	-	2	2	1	4	3	6	4	5	-	-	-	1
		M	13	-	-	-	-	-	-	-	1	1	1	1	1	2	2	4	-	-	-	-
		F	15	-	-	-	-	-	-	-	1	1	-	3	2	4	2	1	-	-	-	1
Re-	(323-331, 333-339,	T	461	7	7	4	6	6	3	3	7	5	9	7	7	12	32	35	60	70	88	93
sid-	341-389)	M	236	6	5	-	4	5	3	2	4	4	3	5	4	5	17	14	34	38	43	40
ual		F	225	1	2	4	2	1	-	1	3	1	6	2	3	7	15	21	26	32	45	53

Table 40
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1985 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T	34,793*	591	130	62	69	227	286	288	280	344	413	576	914	1,512	2,244	3,075	4,035	4,875	5,213	9,657
		M	17,910*	350	75	32	44	156	219	206	189	209	254	387	542	970	1,451	1,909	2,378	2,644	2,467	3,426
		F	16,883	241	55	30	25	71	67	82	91	135	159	189	372	542	793	1,166	1,657	2,231	2,746	6,231
390-459	VII. DISEASES OF THE CIRCULATORY SYSTEM	T	16,530	13	5	4	2	5	16	17	31	62	110	197	333	546	858	1,370	1,886	2,461	2,920	5,694
		M	8,165	9	4	1	-	3	9	12	23	44	85	157	239	403	621	911	1,139	1,342	1,313	1,850
		F	8,365	4	1	3	2	2	7	5	8	18	25	40	94	143	237	459	747	1,119	1,607	3,844
390-398, 402, 404-429	Diseases of the Heart	T	12,156	7	3	4	2	2	11	12	24	48	94	163	288	463	713	1,123	1,470	1,848	2,062	3,819
		M	6,361	5	2	1	-	2	7	8	20	40	76	138	213	351	521	757	915	1,023	967	1,315
		F	5,795	2	1	3	2	-	4	4	4	8	18	25	75	112	192	366	555	825	1,095	2,504
390-398	Acute Rheumatic Fever and Chronic Rheumatic Heart Disease	T	100	-	-	-	-	-	1	-	2	-	3	3	1	4	8	10	17	14	19	18
		M	28	-	-	-	-	-	-	-	1	-	1	-	-	1	3	6	5	4	4	3
		F	72	-	-	-	-	-	1	-	1	-	2	3	1	3	5	4	12	10	15	15
402, 404	Hypertensive Heart With or Without Renal Disease	T	167	-	-	-	-	-	-	-	1	-	-	1	5	3	7	13	26	24	37	50
		M	60	-	-	-	-	-	-	-	1	-	-	-	3	2	5	5	13	9	9	13
		F	107	-	-	-	-	-	-	-	-	-	-	1	2	1	2	8	13	15	28	37
410-414	Ischemic Heart Disease	T	8,741	-	-	-	-	-	2	9	12	38	63	131	235	381	549	860	1,114	1,366	1,437	2,544
		M	4,824	-	-	-	-	-	1	6	10	33	58	115	187	301	419	587	723	775	700	909
		F	3,917	-	-	-	-	-	1	3	2	5	5	16	48	80	130	273	391	591	737	1,635
410	Acute Myocardial Infarction	T	4,111	-	-	-	-	-	1	7	8	22	32	64	122	213	310	468	605	735	664	860
		M	2,392	-	-	-	-	-	-	5	6	19	31	56	95	168	233	319	397	397	327	339
		F	1,719	-	-	-	-	-	1	2	2	3	1	8	27	45	77	149	208	338	337	521
411	Other Acute and Subacute Forms	T	49	-	-	-	-	-	-	1	-	-	-	-	2	-	4	7	6	4	7	18
		M	24	-	-	-	-	-	-	-	-	-	-	-	1	-	3	4	5	2	2	7
		F	25	-	-	-	-	-	-	1	-	-	-	-	1	-	1	3	1	2	5	11
412	Old Myocardial Infarction	T	24	-	-	-	-	-	-	-	-	-	-	-	-	1	-	5	4	2	4	8
		M	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	4	5
		F	10	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	2	1	-	3
413	Angina Pectoris	T	24	-	-	-	-	-	-	-	-	-	-	-	-	1	2	6	1	6	2	6
		M	13	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	1	3	2	3
		F	11	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	-	3	-	3
414	Chronic Ischemic Heart Disease	T	4,533	-	-	-	-	-	1	1	4	16	31	67	111	166	233	374	498	619	760	1,652
		M	2,381	-	-	-	-	-	1	1	4	14	27	59	91	132	182	260	318	372	365	555
		F	2,152	-	-	-	-	-	-	-	-	2	4	8	20	34	51	114	180	247	395	1,097
415-416	Pulmonary Heart Disease	T	227	1	-	1	-	-	1	-	-	1	2	5	3	15	17	25	27	33	43	53
		M	111	1	-	1	-	-	-	-	-	1	1	5	1	9	8	14	14	11	23	22
		F	116	-	-	-	-	-	1	-	-	-	1	-	2	6	9	11	13	22	20	31
420-429	Other Forms of Heart Disease	T	2,920	6	3	3	2	2	7	3	9	9	26	23	44	60	132	215	286	410	526	1,154
		M	1,337	4	2	-	-	2	6	2	8	6	16	18	22	38	86	145	160	223	231	368
		F	1,583	2	1	3	2	-	1	1	1	3	10	5	22	22	46	70	126	187	295	786
401, 403	Hypertensive Disease (Without Mention of Heart Disease)	T	170	-	-	-	-	-	-	-	-	-	1	1	-	5	10	7	25	29	32	60
		M	63	-	-	-	-	-	-	-	-	-	-	1	-	2	8	5	14	9	12	12
		F	107	-	-	-	-	-	-	-	-	-	1	-	-	3	2	2	11	20	20	48
430-438	Cerebrovascular Disease	T	3,152	4	1	-	-	1	5	5	7	10	12	26	35	56	93	162	282	442	636	1,375
		M	1,228	3	1	-	-	1	2	4	3	1	7	12	17	33	63	92	136	219	255	379
		F	1,924	1	-	-	-	-	3	1	4	9	5	14	18	23	30	70	146	223	381	996
431	Cerebral Hemorrhage	T	288	1	-	-	-	-	-	1	2	1	2	5	13	14	22	27	44	42	59	55
		M	127	1	-	-	-	-	-	1	1	-	1	-	5	11	15	16	18	20	25	13
		F	161	-	-	-	-	-	-	-	1	1	1	5	8	3	7	11	26	22	34	42
434	Occlusion of Cerebral Arteries	T	382	1	-	-	-	-	1	-	-	1	-	1	2	5	11	22	36	58	77	167
		M	139	-	-	-	-	-	-	-	-	-	-	1	1	4	8	9	16	22	28	50
		F	243	1	-	-	-	-	1	-	-	1	-	-	1	1	3	13	20	36	49	117
440-448	Diseases of the Arteries, Arterioles and Capillaries	T	978	1	1	-	-	2	-	-	-	3	2	5	8	19	37	71	97	130	170	432
		M	468	-	1	-	-	-	-	-	-	3	2	4	7	15	25	52	66	83	69	141
		F	510	1	-	-	-	2	-	-	-	-	-	1	1	4	12	19	31	47	101	291
440	Arteriosclerosis	T	540	-	-	-	-	-	-	-	-	-	-	-	3	4	9	18	30	58	103	315
		M	200	-	-	-	-	-	-	-	-	-	-	-	3	4	6	12	15	30	35	95
		F	340	-	-	-	-	-	-	-	-	-	-	-	-	-	3	6	15	28	68	220
451-459	Diseases of Veins and Lymphatics and Other Diseases of Circulatory System	T	74	1	-	-	-	-	-	-	-	1	1	2	2	3	5	7	12	12	20	8
		M	45	1	-	-	-	-	-	-	-	-	-	2	2	2	4	5	8	8	10	3
		F	29	-	-	-	-	-	-	-	-	1	1	-	-	1	1	2	4	4	10	5

Table 40
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1985 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T	34,793*	591	130	62	69	227	286	288	280	344	413	576	914	1,512	2,244	3,075	4,035	4,875	5,213	9,657
		M	17,910*	350	75	32	44	156	219	206	189	209	254	387	542	970	1,451	1,909	2,378	2,644	2,467	3,426
		F	16,883	241	55	30	25	71	67	82	91	135	159	189	372	542	793	1,166	1,657	2,231	2,746	6,231
451	Phlebitis and Thrombophlebitis	T	28	-	-	-	-	-	-	-	-	-	1	-	1	-	4	2	5	5	6	4
		M	17	-	-	-	-	-	-	-	-	-	-	-	1	-	3	1	3	3	5	1
		F	11	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	2	2	1	3
460-519	VIII. DISEASES OF THE RESPIRATORY SYSTEM	T	2,969	16	14	1	5	3	2	4	6	6	10	15	44	71	130	211	333	458	508	1,132
		M	1,623	11	8	-	2	3	1	1	1	4	4	9	29	41	88	140	219	277	294	491
		F	1,346	5	6	1	3	-	1	3	5	2	6	6	15	30	42	71	114	181	214	641
466	Acute Bronchitis and Bronchiolitis	T	6	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4
		M	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
		F	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
480-487	Pneumonia and Influenza	T	1,412	9	7	1	-	2	-	2	2	3	2	8	11	21	21	38	80	155	265	785
		M	654	8	2	-	-	2	-	1	1	2	1	5	8	15	15	29	44	81	139	301
		F	758	1	5	1	-	-	-	1	1	1	1	3	3	6	6	9	36	74	126	484
480-486	Pneumonia	T	1,357	9	7	1	-	2	-	2	2	3	2	8	11	21	21	37	78	152	257	744
		M	632	8	2	-	-	2	-	1	1	2	1	5	8	15	15	28	43	80	136	285
		F	725	1	5	1	-	-	-	1	1	1	1	3	3	6	6	9	35	72	121	459
487	Influenza	T	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	8	41
		M	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	3	16
		F	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	5	25
490-491	Bronchitis, Chronic and Unspecified	T	46	-	-	-	-	-	-	-	1	-	-	-	-	1	2	5	9	5	4	19
		M	25	-	-	-	-	-	-	-	-	-	-	-	-	1	2	4	9	2	1	6
		F	21	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	3	3	13
492	Emphysema	T	191	-	-	-	-	-	-	-	-	-	1	3	3	10	16	30	37	40	25	26
		M	136	-	-	-	-	-	-	-	-	-	1	2	1	5	10	19	24	34	21	19
		F	55	-	-	-	-	-	-	-	-	-	-	1	2	5	6	11	13	6	4	7
493	Asthma	T	77	-	-	-	3	-	1	2	1	-	2	1	4	1	11	7	9	14	9	12
		M	28	-	-	-	-	-	-	-	-	-	-	-	1	1	6	2	6	5	5	2
		F	49	-	-	-	3	-	1	2	1	-	2	1	3	-	5	5	3	9	4	10
Residual	(460-465, 467-479, 494-519)	T	1,237	7	7	-	1	1	1	-	2	3	5	3	26	38	80	131	198	244	204	286
		M	777	3	6	-	1	1	1	-	-	2	2	2	19	19	55	86	136	155	128	161
		F	460	4	1	-	-	-	-	-	2	1	3	1	7	19	25	45	62	89	76	125
520-579	IX. DISEASES OF THE DIGESTIVE SYSTEM	T	1,196	5	2	1	1	-	1	3	12	19	26	29	56	80	99	129	143	138	153	299
		M	600	3	1	1	-	-	-	3	8	10	16	21	32	50	64	77	77	60	75	102
		F	596	2	1	-	1	-	1	-	4	9	10	8	24	30	35	52	66	78	78	197
531-533	Ulcer of the Stomach and Duodenum	T	114	-	-	-	-	-	-	-	1	-	-	2	2	3	6	17	15	16	17	35
		M	68	-	-	-	-	-	-	-	-	-	-	2	1	2	6	12	8	8	14	15
		F	46	-	-	-	-	-	-	-	1	-	-	-	1	1	-	5	7	8	3	20
540-543	Appendicitis	T	6	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	1	1
		M	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
		F	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-
550-553, 560	Hernia and Other Obstruction	T	134	3	-	-	-	-	-	-	2	-	1	-	2	6	3	6	10	18	24	59
		M	52	3	-	-	-	-	-	-	1	-	-	-	-	4	1	3	5	6	9	20
		F	82	-	-	-	-	-	-	-	1	-	1	-	2	2	2	3	5	12	15	39
571	Chronic Liver Disease and Cirrhosis	T	333	-	1	-	-	-	-	2	6	10	15	18	33	46	54	52	43	24	20	9
		M	212	-	-	-	-	-	-	2	5	7	11	15	23	30	38	31	25	10	11	4
		F	121	-	1	-	-	-	-	-	1	3	4	3	10	16	16	21	18	14	9	5
574-576	Cholelithiasis and Other Disorders of Gallbladder and Biliary Tract	T	75	-	-	-	-	-	-	-	-	-	-	2	-	3	4	8	11	9	12	26
		M	35	-	-	-	-	-	-	-	-	-	-	-	-	1	3	5	4	3	8	11
		F	40	-	-	-	-	-	-	-	-	-	-	2	-	2	1	3	7	6	4	15
Residual	(520-530, 534-539, 544-549, 554-559, 561-570, 572-573, 577-579)	T	534	2	1	1	1	-	1	1	3	9	10	7	19	21	32	46	63	69	79	169
		M	230	-	1	1	-	-	-	1	2	3	5	4	8	13	16	26	35	32	32	51
		F	304	2	-	-	1	-	1	-	1	6	5	3	11	8	16	20	28	37	47	118

Table 40
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1985 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T	34,793*	591	130	62	69	227	286	288	280	344	413	576	914	1,512	2,244	3,075	4,035	4,875	5,213	9,657
		M	17,910*	350	75	32	44	156	219	206	189	209	254	387	542	970	1,451	1,909	2,378	2,644	2,467	3,426
		F	16,883	241	55	30	25	71	67	82	91	135	159	189	372	542	793	1,166	1,657	2,231	2,746	6,231
580-629	X. DISEASES OF THE GENITOURINARY SYSTEM	T	490	2	-	-	-	1	-	-	2	2	3	2	2	9	21	22	44	71	99	210
		M	240	1	-	-	-	-	-	-	-	2	2	1	1	6	15	10	19	38	47	98
		F	250	1	-	-	-	1	-	-	2	-	1	1	1	3	6	12	25	33	52	112
580-589	Nephritis, Nephrotic Syndrome and Nephrosis	T	306	2	-	-	-	1	-	-	1	1	3	2	1	7	15	15	27	48	58	125
		M	156	1	-	-	-	-	-	-	-	1	2	1	1	5	12	6	11	25	30	61
		F	150	1	-	-	-	1	-	-	1	-	1	1	-	2	3	9	16	23	28	64
590	Infections of the Kidney	T	24	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	3	1	7	10
		M	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	2	3
		F	15	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	5	7
600	Hyperplasia of the Prostate	T	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	9
		M	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	9
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residual	(591-599, 601-629)	T	149	-	-	-	-	-	-	-	1	1	-	-	1	1	6	5	14	21	33	66
		M	64	-	-	-	-	-	-	-	-	1	-	-	-	1	3	3	5	12	14	25
		F	85	-	-	-	-	-	-	-	1	-	-	-	1	-	3	2	9	9	19	41
630-676	XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	T	3	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	3	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-
630-639	Pregnancy with Abortive Outcome	T	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
640-648	Complications of Pregnancy	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residual	(649-676)	T	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
680-709	XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	T	24	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3	1	5	-	14
		M	10	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	4	-	4
		F	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	-	10
710-739	XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	T	138	-	-	-	-	1	1	-	3	3	1	4	5	6	12	11	17	13	12	49
		M	26	-	-	-	-	-	-	-	-	-	1	1	1	-	4	3	7	2	2	5
		F	112	-	-	-	-	1	1	-	3	3	-	3	4	6	8	8	10	11	10	44
740-759	XIV. CONGENITAL ANOMALIES	T	219	140	22	5	3	1	3	1	2	1	1	4	4	5	5	7	3	5	5	2
		M	114	73	13	1	1	-	2	-	2	-	-	3	2	3	3	4	1	3	2	1
		F	105	67	9	4	2	1	1	1	-	1	1	1	2	2	2	3	2	2	3	1
760-779	XV. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	T	236	234	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
		M	134	133	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
		F	102	101	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
780-799	XVI. SYMPTOMS, SIGNS AND ILL-DEFINED CONDITIONS	T	811	134	2	-	-	1	4	4	7	5	6	2	13	22	42	57	70	82	85	275
		M	433	87	2	-	-	1	4	3	4	4	4	2	10	18	29	37	37	43	46	102
		F	378	47	-	-	-	-	-	1	3	1	2	-	3	4	13	20	33	39	39	173
E800-E999	XVII. INJURY AND POISONING	T	2,147*	16	49	29	44	185	218	203	146	131	99	92	90	103	102	95	101	110	124	208
		M	1,466*	10	29	21	32	131	175	160	116	87	74	70	65	78	73	62	60	63	71	87
		F	681	6	20	8	12	54	43	43	30	44	25	22	25	25	29	33	41	47	53	121
E800-E949	Unintentional Injury—Total	T	1,550	13	43	28	32	132	147	128	91	85	59	65	58	62	66	69	76	87	111	198
		M	1,008	8	25	20	23	90	122	103	74	53	40	49	39	47	46	43	42	45	61	78
		F	542	5	18	8	9	42	25	25	17	32	19	16	19	15	20	26	34	42	50	120

Table 40
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1985 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T	34,793*	591	130	62	69	227	286	288	280	344	413	576	914	1,512	2,244	3,075	4,035	4,875	5,213	9,657
		M	17,910*	350	75	32	44	156	219	206	189	209	254	387	542	970	1,451	1,909	2,378	2,644	2,467	3,426
		F	16,883	241	55	30	25	71	67	82	91	135	159	189	372	542	793	1,166	1,657	2,231	2,746	6,231
E810-E825	Motor Vehicle	T	673	1	16	14	18	110	106	81	49	39	23	26	26	20	25	22	23	27	32	15
		M	450	1	8	8	11	72	87	64	38	23	14	18	16	13	19	13	7	11	17	10
		F	223	-	8	6	7	38	19	17	11	16	9	8	10	7	6	9	16	16	15	5
Residual	Other Unintentional Injury (800-809, 826-949)	T	877	12	27	14	14	22	41	47	42	46	36	39	32	42	41	47	53	60	79	183
		M	558	7	17	12	12	18	35	39	36	30	26	31	23	34	27	30	35	34	44	68
		F	319	5	10	2	2	4	6	8	6	16	10	8	9	8	14	17	18	26	35	115
E950-E959	Suicide and Self-Inflicted Injury	T	457*	-	-	-	8	43	53	58	40	35	28	21	28	34	29	20	24	17	11	7
		M	362*	-	-	-	6	37	42	47	28	25	23	18	23	27	24	15	17	14	9	6
		F	95	-	-	-	2	6	11	11	12	10	5	3	5	7	5	5	7	3	2	1
E960-E969	Homicide and Injury Purposely Inflicted by Other Persons	T	86	1	6	1	3	9	11	11	11	10	7	2	2	3	2	3	1	3	-	-
		M	62	1	4	1	2	3	7	7	11	8	6	1	2	2	1	2	1	3	-	-
		F	24	-	2	-	1	6	4	4	-	2	1	1	-	1	1	1	-	-	-	-
E970-E978	Legal Intervention	T	4	-	-	-	-	-	2	-	1	-	1	-	-	-	-	-	-	-	-	-
		M	4	-	-	-	-	-	2	-	1	-	1	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E980-E989	Injury Undetermined Whether Unintentionally or Purposely Inflicted	T	48*	2	-	-	1	1	5	6	3	1	4	4	2	4	5	3	-	3	2	1
		M	28*	1	-	-	1	1	2	3	2	1	4	2	1	2	2	2	-	1	1	1
		F	20	1	-	-	-	-	3	3	1	-	-	2	1	2	3	1	-	2	1	-
E990-E999	Injury Resulting from Operations of War	T	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
		M	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Includes Unknown Age

Table 41
DEATHS DUE TO SELECTED CAUSES BY RACE
MINNESOTA RESIDENTS, 1985

	Total	White	Black	Indian	Other	Unknown
All Causes - Total	34,793	34,113	362	199	111	8
Infective-parasitic	300	284	8	3	5	–
Tuberculosis	15	12	1	1	1	–
Neoplasms - malignant	7,560	7,418	78	32	32	–
Digestive	2,035	1,993	20	9	13	–
Respiratory	1,669	1,637	20	7	5	–
Breast	760	751	6	1	2	–
Genital	870	854	8	4	4	–
Urinary	350	346	3	1	–	–
Leukemia	353	346	3	–	4	–
Diabetes mellitus	560	547	7	5	1	–
Major cardiovascular	16,456	16,243	118	57	34	4
Rheumatic	100	99	1	–	–	–
Hypertensive heart	167	166	1	–	–	–
Ischemic heart	8,741	8,630	53	39	15	4
Other heart	2,920	2,874	28	10	8	–
Hypertension	170	167	2	–	1	–
Cerebrovascular	3,152	3,115	23	4	10	–
Arteriosclerosis	540	535	3	2	–	–
Respiratory	2,969	2,927	17	17	8	–
Pneumonia	1,357	1,337	4	13	3	–
Influenza	55	55	–	–	–	–
Bronchitis	46	46	–	–	–	–
Emphysema	191	188	3	–	–	–
Asthma	77	74	3	–	–	–
Ulcer of stomach & duodenum	114	113	–	–	1	–
Hernia & intestinal obstruction	134	130	4	–	–	–
Chronic liver disease & cirrhosis	333	315	5	10	3	–
Nephritis, nephrotic syndrome & nephrosis	306	297	6	3	–	–
Kidney infections	24	24	–	–	–	–
Pregnancy, childbirth & puerperium	3	3	–	–	–	–
Congenital anomalies	219	212	4	1	2	–
Certain conditions originating in the perinatal period	236	214	15	4	3	–
Ill-defined	811	777	22	8	4	–
Other diseases	2,621	2,576	25	16	4	–
Unintentional Injury	1,550	1,484	25	30	8	3
Motor vehicle	673	649	9	12	3	–
Falls	280	275	1	4	–	–
Suicide	457	440	5	6	5	1
Homicide	86	56	22	7	1	–
Other violent deaths	54	53	1	–	–	–

Table 42
FIFTEEN LEADING CAUSES OF DEATH, DEATH RATES PER 100,000 POPULATION AND PERCENT OF TOTAL DEATHS, MINNESOTA RESIDENTS, 1985

Cause of Death	Number of Deaths	Death Rates	Percent of Total
Heart Disease (390-398, 402, 404-429)	12,156	289.9	34.9
Cancer (Malignant neoplasms) (140-208)	7,560	180.3	21.7
Cerebrovascular Disease (430-438)	3,152	75.2	9.1
Unintentional Injury (800-949)	1,550	37.0	4.5
Motor vehicle (810-825)	(673)	(16.1)	(1.9)
Falls (880-888)	(280)	(6.7)	(0.8)
Pneumonia and Influenza (480-487)	1,412	33.7	4.1
Pneumonia (480-486)	(1,357)	(32.4)	(3.9)
Influenza (487)	(55)	(1.3)	(0.2)
Diabetes mellitus (250)	560	13.4	1.6
Arteriosclerosis (440)	540	12.9	1.6
Suicide (950-959)	457	10.9	1.3
Chronic Liver Disease and Cirrhosis (571)	333	7.9	1.0
Chronic Bronchitis, Emphysema and Asthma (490-493)	314	7.5	0.9
Nephritis, Nephrotic syndrome, and Nephrosis (580-589)	306	7.3	0.9
Certain Conditions Originating in the Perinatal Period (760-779)	236	5.6	0.7
Congenital anomalies (740-759)	219	5.2	0.6
Septicemia (038)	173	4.1	0.5
Hypertensive Disease Without Mention of Heart Disease (401, 403)	170	4.1	0.5
All other causes	5,655	134.9	16.3
Total - all causes	34,793	829.8	100.0

Table 43
LEADING CAUSES OF DEATH BY SELECTED AGE GROUPS
MINNESOTA RESIDENTS, 1985

	No. of Deaths	Per-cent	Age/Cause Specific Death Rate Per 100,000 Population
1-4 Years			
Total, all causes	130	100.0	47.4
Unintentional injury	43	33.1	15.7
Motor vehicle	(16)	(12.3)	(5.8)
Congenital anomalies	22	16.9	8.0
Malignant neoplasms	16	12.3	5.8
Diseases of the respiratory system	14	10.8	5.1
Diseases of the nervous system and sense organs	8	6.2	2.9
Endocrine, nutritional and metabolic diseases and immunity disorders	8	6.2	2.9
5-9 Years			
Total, all causes	62	100.0	20.9
Unintentional injury	28	45.2	9.4
Motor vehicle	(14)	(22.6)	(4.7)
Malignant neoplasms	11	17.7	3.7
Congenital anomalies	5	8.1	1.7
Diseases of the nervous system and sense organs	5	8.1	1.7
Diseases of the heart	4	6.5	1.3
10-14 Years			
Total, all causes	69	100.0	22.3
Unintentional injury	32	46.4	10.3
Motor vehicle	(18)	(26.1)	(5.8)
Suicide	8	11.6	2.6
Diseases of the nervous system and sense organs	6	8.7	1.9
Malignant neoplasms	5	7.2	1.6
Diseases of the respiratory system	5	7.2	1.6
15-19 Years			
Total, all causes	227	100.0	67.0
Unintentional injury	132	58.1	38.9
Motor vehicle	(110)	(48.5)	(32.4)
Suicide	43	18.9	12.7
Malignant neoplasms	18	7.9	5.3
Homicide	9	4.0	2.6
Diseases of the nervous system and sense organs	6	2.6	1.8

	No. of Deaths	Per-cent	Age/Cause Specific Death Rate Per 100,000 Population
20-34 Years			
Total, all causes	854	100.0	75.8
Unintentional injury	366	42.9	32.5
Motor vehicle	(236)	(27.6)	(20.9)
Suicide	151	17.7	13.4
Malignant neoplasms	102	11.9	9.0
Diseases of the heart	47	5.5	4.2
Homicide	33	3.9	2.9
35-49 Years			
Total, all causes	1,333	100.0	183.8
Malignant neoplasms	395	29.6	54.5
Diseases of the heart	305	22.9	42.1
Unintentional injury	209	15.7	28.8
Motor vehicle	(88)	(6.6)	(12.1)
Suicide	84	6.3	11.6
Cerebrovascular disease	48	3.6	6.6
Chronic liver disease and cirrhosis	43	3.2	5.9
50-64 Years			
Total, all causes	4,670	100.0	863.5
Malignant neoplasms	1,720	36.8	318.1
Diseases of the heart	1,464	31.3	270.7
Unintentional injury	186	4.0	34.4
Motor vehicle	(71)	(1.5)	(13.1)
Cerebrovascular disease	184	3.9	34.0
Chronic liver disease and cirrhosis	133	2.8	24.6
Diabetes mellitus	91	1.9	16.8
Suicide	91	1.9	16.8
65-74 Years			
Total, all causes	7,110	100.0	2,500.1
Diseases of the heart	2,593	36.5	911.8
Malignant neoplasms	2,148	30.2	755.3
Cerebrovascular disease	444	6.2	156.1
Unintentional injury	145	2.0	51.0
Motor vehicle	(45)	(0.6)	(15.8)
Symptoms, signs and ill-defined conditions	127	1.8	44.7
Diabetes mellitus	126	1.8	44.3
75 Years and Over			
Total, all causes	19,745	100.0	8,647.2
Diseases of the heart	7,729	39.1	3,384.9
Malignant neoplasms	3,139	15.9	1,374.7
Cerebrovascular disease	2,453	12.4	1,074.3
Pneumonia and influenza	1,205	6.1	527.7
Arteriosclerosis	476	2.4	208.5
Symptoms, signs and ill-defined conditions	442	2.2	193.6

Table 44
ACCIDENT FATALITIES OCCURRING IN MINNESOTA*
BY ACCIDENT CATEGORY** AND AGE GROUP***
1984 - 1985

		1985							
			AGE GROUP						
TYPE OF ACCIDENT	1984 TOTAL	TOTAL	<5	5-14	15-24	25-44	45-64	65+	Unknown Age
TOTAL ACCIDENTAL DEATHS	1,468	1,428	53	56	255	315	215	534	-
OCCUPATIONAL DEATHS	72	56	-	-	6	27	16	7	-
Agriculture	34	24	-	-	2	6	10	6	-
Mining, quarrying, oil and gas wells	2	-	-	-	-	-	-	-	-
Construction	15	16	-	-	-	13	2	1	-
Manufacturing, logging and lumber	4	7	-	-	1	3	3	-	-
Transportation and public utilities	8	3	-	-	-	2	1	-	-
Trade	-	-	-	-	-	-	-	-	-
Service	3	3	-	-	1	2	-	-	-
Government	3	-	-	-	-	-	-	-	-
Other and unspecified industry	3	3	-	-	2	1	-	-	-
HOME DEATHS	296	257	27	11	12	49	43	115	-
Poisonings (except gas)	18	31	1	-	-	19	5	6	-
Poisonings by gases and vapors	21	17	-	1	3	6	5	2	-
Falls	106	93	-	-	-	2	17	74	-
Fires	56	35	4	3	2	8	4	14	-
Drowning	15	14	5	-	2	3	1	3	-
Suffocation, ingested food or object	10	8	3	1	-	-	-	4	-
Suffocation, mechanical	10	17	9	1	-	3	1	3	-
Firearms	7	14	-	3	3	3	3	2	-
Other and unspecified home accidents	53	28	5	2	2	5	7	7	-
MOTOR VEHICLE DEATHS	613	627	15	29	200	175	96	112	-
Injury to pedestrian	61	70	5	12	13	12	6	22	-
Injury to pedal cyclist	17	10	1	2	3	3	-	1	-
Injury to rider of animal or occupant of animal-drawn vehicle	-	-	-	-	-	-	-	-	-
Collision with railroad train	13	13	2	-	1	4	3	3	-
Collision with other motor vehicle	267	319	5	9	85	84	64	72	-
Collision with fixed object	39	44	-	-	23	12	5	4	-
Noncollision	136	141	1	3	61	55	16	5	-
Other and unspecified accidents	80	30	1	3	14	5	2	5	-
PUBLIC NON-MOTOR VEHICLE	465	334	10	15	32	50	47	180	-
Railroad (not with motor vehicle)	5	9	-	-	1	1	3	4	-
Other road vehicle (not with motor vehicle)	3	3	-	1	-	2	-	-	-
Water transportation	17	21	1	1	7	7	3	2	-
Air transportation	11	19	-	2	1	8	8	-	-
Falls	143	97	1	2	3	6	5	80	-
Fires	5	1	-	-	-	-	1	-	-
Drowning	49	36	4	7	10	8	2	5	-
Firearms	5	5	-	-	-	2	3	-	-
Other and unspecified public accidents	227	143	4	2	10	16	22	89	-
ACCIDENT TYPE UNKNOWN	22	154	1	1	5	14	13	120	-

* Includes only those deaths for which the accident occurred in Minnesota.
** National Safety Council categories.
*** Age group applicable to 1985 only.

Table 45
DEATHS OCCURRING IN MINNESOTA BY CAUSE AND AUTOPSY STATUS
1985

	Cause of Death	Total Deaths	Autopsy Status					
			Number			Percent		
			Performed	Not Performed	Not Stated	Performed	Not Performed	Not Stated
	All Causes - Total	35,058	4,999	25,306	4,753	14.3	72.2	13.6
I.	Infectious and parasitic diseases	304	91	168	45	29.9	55.3	14.8
II.	Neoplasms	7,777	699	5,927	1,151	9.0	76.2	14.8
III.	Endocrine, nutritional, and metabolic diseases and immunity disorders	786	75	607	104	9.5	77.2	13.2
IV.	Diseases of the blood and blood-forming organs	138	30	87	21	21.7	63.0	15.2
V.	Mental disorders	458	32	348	78	7.0	76.0	17.0
VI.	Diseases of the nervous system and sense organs	674	81	494	99	12.0	73.3	14.7
VII.	Diseases of the circulatory system	16,660	1,943	12,398	2,319	11.7	74.4	13.9
VIII.	Diseases of the respiratory system	2,970	299	2,250	421	10.1	75.8	14.2
IX.	Diseases of the digestive system	1,223	302	781	140	24.7	63.9	11.4
X.	Diseases of the genitourinary system	487	60	369	58	12.3	75.8	11.9
XI.	Complications of pregnancy, childbirth, and the puerperium	2	2	-	-	100.0	0.0	0.0
XII.	Diseases of the skin and subcutaneous tissue	20	2	15	3	10.0	75.0	15.0
XIII.	Diseases of the musculoskeletal system and connective tissue	149	27	103	19	18.1	69.1	12.8
XIV.	Congenital anomalies	272	172	86	14	63.2	31.6	5.1
XV.	Certain conditions originating in the perinatal period	255	98	131	26	38.4	51.4	10.2
XVI.	Symptoms, signs and ill-defined conditions	810	167	524	119	20.6	64.7	14.7
XVII.	Injury and poisoning	2,073	919	1,018	136	44.3	49.1	6.6

Table 46
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*
MINNESOTA, 1985

		State	Aitkin	Anoka	Becker	Beltrami	Benton	Big Stone	Blue Earth
DEATHS - Total		34,793	201	920	275	246	214	110	389
Rate:	Age & sex adjusted	8.3	9.7	8.6	7.3	7.7	8.6	9.5	7.5
Rate:	Sex adjusted-age specific								
	Under 5 years	2.1	3.3	2.4	1.1	1.5	1.5	1.4	3.5
	5-14 years	0.2	0.5	0.1	0.0	0.6	0.3	1.7	0.1
	15-24 years	0.7	3.9	0.8	2.3	1.1	0.0	0.0	0.4
	25-44 years	1.0	1.7	0.9	0.8	0.7	1.2	5.3	0.9
	45-64 years	7.2	6.5	7.2	5.7	7.3	8.2	7.6	5.1
	65 years and over	52.4	57.1	54.7	45.2	47.7	54.5	51.0	48.9
Sex:	Male	17,910	111	541	154	138	118	57	188
	Female	16,883	90	379	121	108	96	53	201
Race:	White	34,113	200	913	263	219	214	110	389
	Black	362	1	1	-	-	-	-	-
	Indian	199	-	-	11	26	-	-	-
	Other & Unknown	119	-	6	1	1	-	-	-
ICDA**	CAUSE OF DEATH								
001-139	Infective-parasitic	300	-	8	3	4	-	1	5
010-018	Tuberculosis	15	-	-	-	1	-	-	-
140-208	Neoplasms-malignant	7,560	49	231	59	60	34	23	97
150-159	Digestive	2,035	16	55	16	20	9	3	30
160-165	Respiratory	1,669	11	61	7	15	9	2	19
174-175	Breast	760	5	22	8	2	3	1	11
179-187	Genital	870	6	29	11	8	5	4	11
188-189	Urinary	350	3	6	3	2	-	3	5
204-208	Leukemia	353	1	8	3	3	-	4	5
250	Diabetes mellitus	560	1	13	1	1	8	1	9
390-448	Major cardiovascular	16,456	95	397	136	127	122	54	178
390-398	Rheumatic heart	100	-	1	-	-	2	1	-
402,404	Hypertensive heart	167	2	6	-	1	2	-	-
410-414	Ischemic heart	8,741	60	231	87	77	70	25	103
420-429	Other heart	2,920	10	56	13	11	21	11	24
400-401, & 403	Hypertension	170	-	4	-	4	2	1	3
430-438	Cerebrovascular	3,152	16	60	28	28	17	14	43
440	Arteriosclerosis	540	6	13	5	6	5	1	2
460-519	Respiratory	2,969	21	72	19	14	13	7	39
480-486	Pneumonia	1,357	8	31	12	4	8	4	16
487	Influenza	55	-	-	-	-	-	-	3
490-491	Bronchitis	46	1	-	-	-	-	1	-
492	Emphysema	191	2	5	1	2	-	-	5
493	Asthma	77	-	3	-	1	2	1	1
531-533	Ulcer of stomach and duodenum	114	1	1	-	1	-	-	1
550-553, & 560	Hernia & intestinal obstruction	134	-	7	-	-	-	2	1
571	Chronic liver disease and cirrhosis	333	-	14	1	3	1	1	-
580-589	Nephritis, nephrotic syndrome & nephrosis	306	-	5	1	2	1	1	-
590	Kidney infection	24	-	1	1	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	3	-	-	-	-	-	-	-
740-759	Congenital anomalies	219	-	6	-	1	1	-	5
760-779	Perinatal conditions	236	-	24	1	-	1	1	4
780-799	Ill-defined	811	1	12	2	3	4	-	4
Residual	Other diseases	2,621	13	51	28	15	12	9	28
E800-949	Unintentional injury	1,550	17	52	21	12	13	10	14
E810-825	Motor vehicle	673	8	29	16	5	7	2	7
E880-888	Falls	280	4	4	2	3	2	1	1
E950-959	Suicide & self-inflicted injury	457	3	23	2	2	3	-	4
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	86	-	1	-	1	-	-	-
E980-999	Other violent deaths	54	-	2	-	-	1	-	-

Table 46
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA 1985 (CONT.)

		Brown	Carlton	Carver	Cass	Chippewa	Chisago	Clay	Clear-water
DEATHS - Total		299	282	263	301	173	228	368	104
Rate:	Age & sex adjusted	8.3	8.7	8.2	9.5	8.1	8.1	8.1	8.4
Rate:	Sex adjusted-age specific								
	Under 5 years	3.0	0.9	2.1	4.3	0.0	1.8	2.9	1.3
	5-14 years	0.8	0.2	0.5	0.9	0.5	0.0	0.1	0.0
	15-24 years	0.4	0.6	0.5	0.4	0.6	0.2	0.0	1.8
	25-44 years	1.0	0.9	1.2	1.9	0.8	1.4	0.8	0.4
	45-64 years	6.5	7.6	4.9	10.5	4.7	8.5	7.3	8.2
	65 years and over	52.8	56.1	54.4	53.7	55.8	48.8	51.7	52.6
Sex:	Male	157	158	145	179	100	130	190	54
	Female	142	124	118	122	73	98	178	50
Race:	White	299	277	263	279	173	227	368	99
	Black	-	-	-	2	-	1	-	-
	Indian	-	5	-	20	-	-	-	5
	Other & Unknown	-	-	-	-	-	-	-	-
ICDA**	CAUSE OF DEATH								
001-139	Infective-parasitic	1	1	1	3	1	-	3	-
010-018	Tuberculosis	-	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	67	58	46	55	32	54	84	18
150-159	Digestive	19	11	13	16	13	13	23	2
160-165	Respiratory	16	16	10	15	7	18	17	4
174-175	Breast	10	6	5	1	4	2	7	1
179-187	Genital	6	7	5	4	5	2	7	3
188-189	Urinary	2	4	1	3	-	1	5	2
204-208	Leukemia	2	4	1	3	1	7	5	-
250	Diabetes mellitus	3	4	10	5	3	2	4	1
390-448	Major cardiovascular	146	140	126	137	84	102	177	61
390-398	Rheumatic heart	1	-	1	-	-	-	1	1
402,404	Hypertensive heart	-	-	1	1	1	1	1	-
410-414	Ischemic heart	88	69	73	67	37	42	78	41
420-429	Other heart	16	18	16	31	19	28	47	4
400-401, & 403	Hypertension	1	-	-	4	-	-	1	1
430-438	Cerebrovascular	29	27	25	27	21	20	32	11
440	Arteriosclerosis	8	18	4	2	5	4	11	1
460-519	Respiratory	31	43	23	40	19	24	31	10
480-486	Pneumonia	18	25	12	21	15	13	12	5
487	Influenza	1	5	2	-	-	-	4	-
490-491	Bronchitis	-	-	1	-	1	-	1	-
492	Emphysema	-	3	1	2	-	1	1	1
493	Asthma	-	2	1	1	-	-	-	-
531-533	Ulcer of stomach and duodenum	1	-	1	-	1	-	2	-
550-553, & 560	Hernia & intestinal obstruction	-	1	-	2	1	-	5	-
571	Chronic liver disease and cirrhosis	2	3	4	3	2	4	1	-
580-589	Nephritis, nephrotic syndrome & nephrosis	2	-	1	1	3	3	6	2
590	Kidney infection	-	2	-	-	1	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	1	-	2	1	-	3	3	-
760-779	Perinatal conditions	4	2	3	2	-	-	1	-
780-799	Ill-defined	1	2	4	5	3	3	4	-
Residual	Other diseases	20	17	21	27	15	18	32	6
E800-949	Unintentional injury	14	7	15	15	6	12	13	6
E810-825	Motor vehicle	7	1	5	9	3	1	1	3
E880-888	Falls	1	3	1	3	2	2	1	-
E950-959	Suicide & self-inflicted injury	5	2	6	5	2	2	2	-
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	-	-	-	-	1	-	-
E980-999	Other violent deaths	1	-	-	-	-	-	-	-

Table 46
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

		Cook	Cotton-wood	Crow Wing	Dakota	Dodge	Douglas	Faribault	Fill-more
DEATHS - Total		37	163	428	1,081	125	314	224	244
Rate:	Age & sex adjusted	6.8	7.9	7.7	8.1	8.0	8.0	8.2	7.7
Rate:	Sex adjusted-age specific								
	Under 5 years	0.0	1.8	1.7	2.2	4.1	0.8	3.2	2.1
	5-14 years	1.5	0.4	0.2	0.2	0.0	0.0	0.3	0.0
	15-24 years	0.0	1.2	2.0	0.9	1.8	0.7	0.0	0.4
	25-44 years	1.4	0.6	0.5	0.8	1.7	1.4	1.3	1.2
	45-64 years	10.7	7.3	9.2	5.9	8.6	6.4	7.5	5.8
	65 years and over	35.3	49.1	44.4	53.0	43.6	51.3	50.5	50.0
Sex:	Male	26	87	247	549	75	169	116	120
	Female	11	76	181	532	50	145	108	124
Race:	White	33	163	427	1,075	125	312	224	243
	Black	-	-	-	3	-	-	-	-
	Indian	4	-	1	-	-	1	-	-
	Other & Unknown	-	-	-	3	-	1	-	1
ICDA**	CAUSE OF DEATH								
001-139	Infective-parasitic	-	2	3	5	-	2	2	-
010-018	Tuberculosis	-	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	7	33	96	266	23	80	39	57
150-159	Digestive	4	8	28	61	5	19	12	16
160-165	Respiratory	-	7	23	61	4	19	8	10
174-175	Breast	-	3	6	36	2	13	3	8
179-187	Genital	2	4	7	27	1	10	4	7
188-189	Urinary	-	2	3	12	3	-	-	6
204-208	Leukemia	-	4	8	11	1	3	-	2
250	Diabetes mellitus	-	-	4	17	1	3	2	6
390-448	Major cardiovascular	20	84	219	453	56	156	124	133
390-398	Rheumatic heart	-	-	-	4	1	-	-	-
402,404	Hypertensive heart	-	2	1	5	-	-	1	-
410-414	Ischemic heart	10	57	111	249	31	90	63	65
420-429	Other heart	5	14	52	74	13	22	21	28
400-401, & 403	Hypertension	-	1	3	4	-	-	-	-
430-438	Cerebrovascular	5	5	35	78	8	36	30	23
440	Arteriosclerosis	-	2	3	19	-	6	3	10
460-519	Respiratory	5	15	40	82	10	34	14	21
480-486	Pneumonia	3	5	22	34	2	17	5	10
487	Influenza	-	-	1	2	-	-	1	-
490-491	Bronchitis	-	-	1	1	-	-	-	-
492	Emphysema	-	2	3	5	3	1	2	4
493	Asthma	-	-	1	3	1	1	-	-
531-533	Ulcer of stomach and duodenum	-	1	1	2	-	-	-	1
550-553, & 560	Hernia & intestinal obstruction	-	1	2	6	-	-	2	-
571	Chronic liver disease and cirrhosis	-	1	4	8	-	3	1	2
580-589	Nephritis, nephrotic syndrome & nephrosis	-	2	3	2	2	2	2	1
590	Kidney infection	-	-	-	-	-	-	1	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	1	-	1	11	2	1	2	1
760-779	Perinatal conditions	-	2	1	18	5	-	1	1
780-799	Ill-defined	-	1	7	50	9	3	1	3
Residual	Other diseases	3	15	26	84	6	23	15	6
E800-949	Unintentional injury	-	6	10	53	10	4	17	10
E810-825	Motor vehicle	-	3	6	30	6	2	8	6
E880-888	Falls	-	1	-	10	2	-	5	3
E950-959	Suicide & self-inflicted injury	1	-	10	20	1	3	1	1
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	-	1	2	-	-	-	-
E980-999	Other violent deaths	-	-	-	2	-	-	-	1

Table 46

SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

		Freeborn	Goodhue	Grant	Hennepin	Minn-eapolis	Houston	Hubbard
DEATHS - Total		358	408	98	7,723	3,934	194	140
Rate:	Age & sex adjusted	8.0	8.1	7.8	8.6	9.3	8.5	7.0
Rate:	Sex adjusted-age specific							
	Under 5 years	2.6	1.7	0.0	2.3	3.2	0.0	0.7
	5-14 years	0.4	0.0	0.0	0.2	0.3	0.3	0.0
	15-24 years	0.6	1.0	0.0	0.6	0.5	2.1	0.6
	25-44 years	0.4	0.9	0.6	1.2	1.6	0.5	1.4
	45-64 years	5.8	6.0	6.4	7.7	9.9	6.0	10.3
	65 years and over	52.6	52.9	53.1	54.2	55.2	56.2	37.7
Sex:	Male	185	217	51	3,657	1,820	108	91
	Female	173	191	47	4,066	2,114	86	49
Race:	White	357	407	98	7,380	3,644	194	138
	Black	-	-	-	225	203	-	-
	Indian	-	1	-	61	56	-	2
	Other & Unknown	1	-	-	57	31	-	-
ICDA**	CAUSE OF DEATH							
001-139	Infective-parastic	5	2	1	83	52	2	4
010-018	Tuberculosis	-	-	-	6	4	-	-
140-208	Neoplasms-malignant	66	87	18	1,648	807	46	28
150-159	Digestive	14	23	3	442	245	11	5
160-165	Respiratory	19	23	2	374	162	10	8
174-175	Breast	7	5	5	168	76	5	1
179-187	Genital	4	12	4	192	90	7	3
188-189	Urinary	4	1	1	85	49	3	2
204-208	Leukemia	6	8	-	56	25	1	-
250	Diabetes mellitus	3	10	1	137	66	1	-
390-448	Major cardiovascular	188	190	56	3,515	1,744	99	57
390-398	Rheumatic heart	2	-	1	29	12	-	-
402,404	Hypertensive heart	2	1	1	41	9	1	-
410-414	Ischemic heart	88	87	30	1,941	944	49	32
420-429	Other heart	46	30	12	490	292	15	7
400-401, & 403	Hypertension	3	-	-	55	37	-	1
430-438	Cerebrovascular	35	53	8	710	333	23	11
440	Arteriosclerosis	5	9	-	86	47	6	3
460-519	Respiratory	44	36	11	661	357	18	15
480-486	Pneumonia	16	23	3	281	154	11	5
487	Influenza	2	-	-	8	4	-	-
490-491	Bronchitis	1	-	-	13	6	-	-
492	Emphysema	6	5	1	40	20	-	1
493	Asthma	1	-	-	15	8	-	-
531-533	Ulcer of stomach and duodenum	-	2	-	25	12	1	-
550-553, & 560	Hernia & intestinal obstruction	1	1	-	29	12	1	-
571	Chronic liver disease and cirrhosis	1	4	-	100	56	5	2
580-589	Nephritis, nephrotic syndrome & nephrosis	2	5	-	73	41	-	2
590	Kidney infection	-	2	-	5	2	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	1	1	-	-
740-759	Congenital anomalies	1	4	-	56	20	-	-
760-779	Perinatal conditions	4	2	-	52	25	-	-
780-799	Ill-defined	4	5	-	215	137	2	7
Residual	Other diseases	27	34	9	626	355	9	14
E800-949	Unintentional Injury	8	21	2	326	157	8	11
E810-825	Motor vehicle	4	8	1	100	42	5	4
E880-888	Falls	4	6	1	79	43	-	1
E950-959	Suicide & self-inflicted injury	3	2	-	121	52	2	-
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	1	1	-	35	27	-	-
E980-999	Other violent deaths	-	-	-	15	11	-	-

Table 46

SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

		Isanti	Itasca	Jackson	Kanabec	Kandiyohi	Kittson	Koochi-iching
DEATHS - Total		170	388	141	116	315	108	166
Rate:	Age & sex adjusted	7.3	8.0	8.0	7.9	6.9	10.7	8.9
Rate:	Sex adjusted-age specific							
	Under 5 years	2.6	1.7	0.0	3.4	2.1	3.7	2.3
	5-14 years	0.6	0.1	0.0	0.5	0.2	0.0	0.4
	15-24 years	1.2	1.7	0.9	0.0	0.6	1.5	0.5
	25-44 years	1.1	1.0	0.3	1.2	0.7	1.7	1.7
	45-64 years	5.8	9.0	8.0	7.0	6.5	7.1	11.8
	65 years and over	44.4	45.8	52.0	48.6	42.6	68.4	49.4
Sex:	Male	109	220	76	72	182	50	89
	Female	61	168	65	44	133	58	77
Race:	White	169	380	141	116	313	108	163
	Black	-	-	-	-	-	-	-
	Indian	-	8	-	-	2	-	3
	Other & Unknown	1	-	-	-	-	-	-
ICDA**	CAUSE OF DEATH							
001-139	Infective-parasitic	-	3	-	3	3	-	-
010-018	Tuberculosis	-	1	-	-	-	-	-
140-208	Neoplasms-malignant	45	94	23	23	64	19	42
150-159	Digestive	11	26	4	3	18	5	5
160-165	Respiratory	10	31	2	6	12	2	15
74-175	Breast	4	5	2	2	6	2	3
179-187	Genital	1	9	3	4	10	5	6
188-189	Urinary	2	4	2	2	2	-	3
204-208	Leukemia	3	2	2	-	3	-	2
250	Diabetes mellitus	2	3	2	3	1	1	1
390-448	Major cardiovascular	76	172	72	58	149	60	73
390-398	Rheumatic heart	-	1	-	1	-	-	-
402,404	Hypertensive heart	-	-	-	-	-	-	-
410-414	Ischemic heart	36	93	40	27	83	20	44
420-429	Other heart	10	17	18	10	35	18	15
400-401, & 403	Hypertension	-	3	1	1	1	1	-
430-438	Cerebrovascular	22	43	5	12	21	17	10
440	Arteriosclerosis	6	7	5	5	5	2	-
460-519	Respiratory	15	26	20	11	29	11	19
480-486	Pneumonia	7	11	11	3	19	5	9
487	Influenza	-	-	-	-	1	-	1
490-491	Bronchitis	-	1	-	-	-	-	-
492	Emphysema	1	-	2	-	3	2	1
493	Asthma	1	-	1	-	-	-	-
531-533	Ulcer of stomach and duodenum	1	1	-	-	2	1	1
550-553, & 560	Hernia & intestinal obstruction	1	-	-	-	2	-	2
571	Chronic liver disease and cirrhosis	-	5	2	-	1	-	2
580-589	Nephritis, nephrotic syndrome & nephrosis	2	1	1	-	4	2	-
590	Kidney infection	1	-	-	-	1	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-
740-759	Congenital anomalies	3	2	-	2	1	1	1
760-779	Perinatal conditions	1	2	-	1	-	-	1
780-799	Ill-defined	-	12	5	4	9	-	3
Residual	Other diseases	9	38	13	6	26	5	8
E800-949	Unintentional Injury	13	22	3	4	19	6	7
E810-825	Motor vehicle	7	12	1	2	9	3	2
E880-888	Falls	1	4	-	-	1	1	-
E950-959	Suicide & self-inflicted injury	1	7	-	1	2	1	6
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	-	-	-	1	-	-
E980-999	Other violent deaths	-	-	-	-	1	1	-

Table 46
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

		Lac Qui Parle	Lake	Lake of the Woods	Le-Sueur	Lin-coln	Lyon	Mc-Leod	Mahnomen	Mar-shall
DEATHS - Total		136	93	41	229	80	225	330	64	127
Rate:	Age & sex adjusted	8.7	7.0	8.3	8.0	6.2	7.8	9.5	9.2	7.7
Rate:	Sex adjusted-age specific									
	Under 5 years	2.4	1.3	8.5	1.5	0.0	0.9	2.2	2.1	0.8
	5-14 years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15-24 years	1.8	0.7	1.7	0.8	0.0	1.0	0.9	4.1	0.8
	25-44 years	0.8	0.6	1.9	0.9	0.5	0.7	0.8	0.8	0.6
	45-64 years	9.9	4.2	9.9	5.4	6.0	7.8	8.1	5.7	7.1
	65 years and over	51.4	48.1	41.0	53.5	40.4	48.8	61.4	58.2	49.7
Sex:	Male	73	45	24	137	48	108	174	31	68
	Female	63	48	17	92	32	117	156	33	59
Race:	White	136	92	41	229	80	225	329	59	127
	Black	-	-	-	-	-	-	-	-	-
	Indian	-	-	-	-	-	-	-	5	-
	Other & Unknown	-	1	-	-	-	-	1	-	-
ICDA**	CAUSE OF DEATH									
001-139	Infective-parasitic	-	-	-	3	-	-	2	-	-
010-018	Tuberculosis	-	-	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	25	20	9	37	20	46	64	13	26
150-159	Digestive	9	5	2	12	5	11	22	5	6
160-165	Respiratory	4	7	2	8	4	8	9	3	6
174-175	Breast	2	2	1	4	-	4	11	1	1
179-187	Genital	3	2	-	4	3	6	8	1	5
188-189	Urinary	2	1	1	2	2	3	1	1	1
204-208	Leukemia	3	-	1	-	2	3	3	1	1
250	Diabetes mellitus	2	2	2	5	1	4	4	-	1
390-448	Major cardiovascular	73	45	15	135	42	112	178	30	72
390-398	Rheumatic heart	-	-	-	1	1	1	2	-	-
402,404	Hypertensive heart	1	-	2	1	-	1	1	-	1
410-414	Ischemic heart	39	16	7	78	24	67	106	16	23
420-429	Other heart	22	12	1	24	2	15	30	7	32
400-401, & 403	Hypertension	-	-	1	2	1	-	-	-	-
430-438	Cerebrovascular	11	14	4	17	10	23	31	5	14
440	Arteriosclerosis	-	2	-	6	1	2	3	1	-
460-519	Respiratory	14	4	5	12	5	23	21	4	12
480-486	Pneumonia	5	3	4	6	2	13	9	2	7
487	Influenza	-	-	-	-	-	-	1	-	-
490-491	Bronchitis	1	-	-	1	-	-	-	1	-
492	Emphysema	1	-	-	-	-	2	-	-	1
493	Asthma	-	-	-	-	1	-	1	-	-
531-533	Ulcer of stomach and duodenum	-	-	-	2	-	-	1	1	1
550-553, & 560	Hernia & intestinal obstruction	-	-	-	1	-	2	4	-	1
571	Chronic liver disease and cirrhosis	-	2	-	-	-	3	1	-	-
580-589	Nephritis, nephrotic syndrome & nephrosis	3	1	1	2	-	-	5	2	-
590	Kidney infection	-	-	1	-	-	-	1	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	1	2	-	2	-	1	3	1	-
760-779	Perinatal conditions	1	-	-	1	-	1	2	-	-
780-799	Ill-defined	-	-	-	1	-	1	-	8	3
Residual	Other diseases	9	10	2	17	9	16	21	2	6
E800-949	Unintentional Injury	6	6	4	5	3	7	19	2	4
E810-825	Motor vehicle	2	1	2	4	-	3	8	2	2
E880-888	Falls	-	2	1	-	2	1	4	-	-
E950-959	Suicide & self-inflicted injury	2	1	2	2	-	8	4	-	1
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	-	-	3	-	-	-	1	-
E980-999	Other violent deaths	-	-	-	1	-	1	-	-	-

Table 46
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

		Martin	Meeker	Mille Lacs	Morrison	Mower	Murray	Nicollet
DEATHS - Total		302	230	187	270	421	133	181
Rate:	Age & sex adjusted	9.1	8.6	7.6	7.7	7.8	8.8	7.1
Rate:	Sex adjusted-age specific							
	Under 5 years	2.5	1.6	1.1	3.1	1.3	1.2	1.8
	5-14 years	0.0	0.0	0.3	0.0	0.2	0.0	0.5
	15-24 years	0.5	0.0	1.7	0.9	0.4	1.5	0.5
	25-44 years	0.9	1.0	0.6	1.8	1.4	1.0	1.4
	45-64 years	6.0	7.1	5.6	6.2	6.4	7.0	5.8
	65 years and over	60.7	56.2	49.4	46.6	49.7	56.3	44.1
Sex:	Male	155	113	106	153	201	73	113
	Female	147	117	81	117	220	60	68
Race:	White	302	229	183	270	418	133	180
	Black	-	1	-	-	2	-	1
	Indian	-	-	4	-	-	-	-
	Other & Unknown	-	-	-	-	1	-	-
ICDA**	CAUSE OF DEATH							
001-139	Infective-parasitic	2	3	1	1	6	3	2
010-018	Tuberculosis	-	-	1	-	-	-	-
140-208	Neoplasms-malignant	63	48	46	45	88	24	38
150-159	Digestive	25	8	16	12	25	6	10
160-165	Respiratory	10	9	6	10	17	6	7
174-175	Breast	13	7	3	2	12	1	2
179-187	Genital	4	5	4	5	8	3	12
188-189	Urinary	1	5	2	4	8	1	-
204-208	Leukemia	3	1	1	2	4	2	1
250	Diabetes mellitus	13	6	-	2	9	1	2
390-448	Major cardiovascular	147	128	81	144	203	63	73
390-398	Rheumatic heart	-	2	-	3	-	1	1
402,404	Hypertensive heart	3	-	-	4	1	-	3
410-414	Ischemic heart	86	61	37	69	89	35	40
420-429	Other heart	23	14	19	39	71	5	9
400-401, & 403	Hypertension	1	1	-	2	1	-	-
430-438	Cerebrovascular	27	43	19	22	32	19	16
440	Arteriosclerosis	1	5	2	1	1	3	1
460-519	Respiratory	30	5	30	18	35	16	16
480-486	Pneumonia	10	2	13	8	16	13	9
487	Influenza	-	-	-	-	1	-	1
490-491	Bronchitis	2	-	-	1	1	-	-
492	Emphysema	1	-	2	-	-	3	1
493	Asthma	3	-	1	-	-	-	1
531-533	Ulcer of stomach and duodenum	-	1	-	-	-	-	1
550-553, & 560	Hernia & intestinal obstruction	-	1	-	1	1	-	1
571	Chronic liver disease and cirrhosis	-	2	1	3	3	-	3
580-589	Nephritis, nephrotic syndrome & nephrosis	3	1	-	3	1	3	2
590	Kidney infection	1	-	-	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-
740-759	Congenital anomalies	3	3	-	2	1	-	1
760-779	Perinatal conditions	-	1	1	3	1	-	-
780-799	Ill-defined	2	13	5	4	26	1	5
Residual	Other diseases	27	13	14	27	33	9	20
E800-949	Unintentional Injury	11	4	8	14	9	7	14
E810-825	Motor vehicle	6	3	4	5	5	3	9
E880-888	Falls	1	-	1	3	3	2	-
E950-959	Suicide & self-inflicted injury	-	-	-	2	4	4	3
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	-	-	1	1	-	-
E980-999	Other violent deaths	-	1	-	-	-	2	-

Table 46
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

		Nobles	Norman	Olmsted	Otter Tail	Pennington	Pine	Pipestone	Polk
DEATHS - Total		239	119	605	591	152	211	150	345
Rate:	Age & sex adjusted	8.4	8.4	7.5	7.4	8.8	8.3	8.9	8.1
Rate:	Sex adjusted-age specific								
	Under 5 years	1.8	1.6	3.3	1.8	3.6	2.9	1.2	1.9
	5-14 years	0.0	0.0	0.1	0.5	0.0	0.3	0.6	0.3
	15-24 years	1.1	3.7	0.7	0.3	0.0	1.1	0.0	0.5
	25-44 years	1.3	0.5	0.8	0.5	0.8	1.1	1.2	1.3
	45-64 years	7.0	8.6	4.8	7.5	7.0	5.3	7.4	7.9
	65 years and over	52.3	49.3	49.2	46.6	57.9	53.5	57.5	49.1
Sex:	Male	117	57	282	317	75	123	84	171
	Female	122	62	323	274	77	88	66	174
Race:	White	239	119	601	590	152	206	148	343
	Black	-	-	2	-	-	-	-	-
	Indian	-	-	-	1	-	5	2	2
	Other & Unknown	-	-	2	-	-	-	-	-
ICDA**	CAUSE OF DEATH								
001-139	Infective-parasitic	1	4	2	3	2	2	2	2
010-018	Tuberculosis	-	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	64	18	135	142	37	38	29	61
150-159	Digestive	21	4	34	39	7	18	11	15
160-165	Respiratory	8	4	27	24	10	9	3	7
174-175	Breast	7	2	22	10	2	2	4	7
179-187	Genital	7	3	14	23	6	4	4	9
188-189	Urinary	2	1	6	2	4	-	-	2
204-208	Leukemia	6	1	10	8	2	1	1	7
250	Diabetes mellitus	6	1	13	12	3	2	6	5
390-448	Major cardiovascular	99	59	274	293	70	100	78	186
390-398	Rheumatic heart	-	1	3	1	-	1	-	-
402,404	Hypertensive heart	-	-	2	1	-	1	-	1
410-414	Ischemic heart	56	41	152	164	35	41	37	94
420-429	Other heart	19	4	36	57	10	31	17	33
400-401, & 403	Hypertension	2	-	2	1	-	1	-	2
430-438	Cerebrovascular	17	9	61	49	17	20	12	37
440	Arteriosclerosis	-	2	3	14	4	1	12	11
460-519	Respiratory	15	14	47	45	8	20	11	30
480-486	Pneumonia	9	3	15	16	4	12	5	19
487	Influenza	-	-	3	1	-	-	-	-
490-491	Bronchitis	-	1	-	1	-	1	-	-
492	Emphysema	-	3	1	3	-	-	1	1
493	Asthma	-	-	2	1	1	-	-	-
531-533	Ulcer of stomach and duodenum	2	-	3	2	-	-	1	2
550-553, & 560	Hernia & intestinal obstruction	-	3	2	1	1	-	2	2
571	Chronic liver disease and cirrhosis	2	2	7	6	1	2	1	2
580-589	Nephritis, nephrotic syndrome & nephrosis	4	1	4	11	2	2	-	4
590	Kidney infection	1	-	1	-	1	-	-	-
630-676	Pregnancy, childbirth & puerperium	1	-	-	-	-	-	-	-
740-759	Congenital anomalies	-	-	8	2	-	2	1	1
760-779	Perinatal conditions	1	-	11	2	1	3	-	2
780-799	Ill-defined	4	-	5	6	4	11	3	4
Residual	Other diseases	23	9	43	36	12	15	10	25
E800-949	Unintentional Injury	13	7	38	26	9	11	4	15
E810-825	Motor vehicle	9	4	19	13	4	4	3	4
E880-888	Falls	2	1	8	5	2	3	1	6
E950-959	Suicide & self-inflicted injury	3	1	8	3	1	3	2	2
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	-	4	1	-	-	-	1
E980-999	Other violent deaths	-	-	-	-	-	-	-	1

Table 46
SELECTED MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

		Pope	Ramsey	St. Paul	Red Lake	Redwood	Renville	Rice	Rock
DEATHS - Total		141	4,016	2,786	51	207	241	360	121
Rate:	Age & sex adjusted	7.9	8.9	8.9	7.9	7.7	8.9	7.8	8.8
Rate:	Sex adjusted-age specific								
	Under 5 years	1.9	2.0	2.4	0.0	2.0	1.3	1.8	2.1
	5-14 years	0.6	0.2	0.3	0.0	0.0	0.3	0.3	0.0
	15-24 years	0.0	0.6	0.6	0.0	2.7	0.9	0.2	0.0
	25-44 years	1.0	1.2	1.4	0.8	0.0	1.0	1.2	1.9
	45-64 years	5.4	8.2	9.5	11.4	6.8	9.8	5.1	5.2
	65 years and over	52.3	55.8	53.2	46.8	48.3	53.9	51.8	58.6
Sex:	Male	79	1,907	1,330	21	111	131	194	64
	Female	62	2,109	1,456	30	96	110	166	57
Race:	White	141	3,860	2,644	51	205	240	360	121
	Black	-	117	110	-	-	-	-	-
	Indian	-	14	12	-	1	1	-	-
	Other & Unknown	-	25	20	-	1	-	-	-
ICDA***	CAUSE OF DEATH								
001-139	Infective-parasitic	2	40	25	-	2	1	8	1
010-018	Tuberculosis	-	4	1	-	-	-	-	-
140-208	Neoplasms-malignant	25	922	618	14	46	46	77	23
150-159	Digestive	10	238	160	1	11	11	22	10
160-165	Respiratory	6	226	148	4	9	7	9	4
174-175	Breast	-	87	61	3	4	2	7	2
179-187	Genital	3	86	61	3	9	6	10	-
188-189	Urinary	-	44	34	1	-	5	5	1
204-208	Leukemia	1	53	36	-	1	2	3	3
250	Diabetes mellitus	2	69	45	-	6	2	5	1
390-448	Major cardiovascular	62	1,811	1,280	28	106	128	174	69
390-398	Rheumatic heart	-	13	10	-	-	1	2	-
402,404	Hypertensive heart	-	30	17	2	1	6	1	-
410-414	Ischemic heart	36	975	697	11	61	65	82	44
420-429	Other heart	14	308	212	5	21	18	39	6
400-401, & 403	Hypertension	-	25	19	-	-	-	3	-
430-438	Cerebrovascular	10	333	240	6	17	31	32	14
440	Arteriosclerosis	-	46	24	4	2	4	13	-
460-519	Respiratory	16	343	238	3	17	21	37	8
480-486	Pneumonia	10	158	100	2	9	12	14	2
487	Influenza	-	4	2	-	2	-	1	-
490-491	Bronchitis	1	4	3	-	-	-	-	-
492	Emphysema	-	31	26	-	1	1	3	1
493	Asthma	-	9	8	-	1	2	3	-
531-533	Ulcer of stomach and duodenum	1	18	12	1	-	-	2	1
550-553, & 560	Hernia & intestinal obstruction	-	19	15	-	1	-	3	-
571	Chronic liver disease and cirrhosis	-	45	38	2	-	2	1	1
580-589	Nephritis, nephrotic syndrome & nephrosis	2	35	22	-	3	1	2	-
590	Kidney infection	-	1	-	-	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	1	1	-	-	-	-	-
740-759	Congenital anomalies	-	22	13	-	1	-	-	2
760-779	Perinatal conditions	1	24	19	-	1	2	2	-
780-799	Ill-defined	2	135	99	-	2	2	4	-
Residual	Other diseases	15	303	217	3	12	20	24	11
E800-949	Unintentional Injury	13	150	90	-	8	11	11	3
E810-825	Motor vehicle	4	54	29	-	4	5	5	1
E880-888	Falls	2	23	15	-	2	3	-	-
E950-959	Suicide & self-inflicted injury	-	52	33	-	2	5	7	-
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	17	16	-	-	-	2	-
E980-999	Other violent deaths	-	9	5	-	-	-	1	1

Table 46
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

		Roseau	St. Louis	Duluth	Scott	Sherburne	Sibley	Stearns
DEATHS - Total		137	2,195	1,088	310	233	141	690
Rate:	Age & sex adjusted	7.8	9.0	10.0	8.8	9.1	6.7	6.9
Rate:	Sex adjusted-age specific							
	Under 5 years	1.7	2.3	3.6	2.0	3.8	0.8	2.6
	5-14 years	1.3	0.3	0.4	0.6	0.3	0.0	0.3
	15-24 years	0.0	1.0	0.9	1.0	0.5	1.9	0.7
	25-44 years	1.3	1.2	1.4	0.7	0.8	1.0	0.9
	45-64 years	6.1	8.5	9.7	5.4	6.6	5.0	5.2
	65 years and over	49.5	55.5	60.0	58.9	59.8	41.9	43.3
Sex:	Male	91	1,134	510	138	131	79	375
	Female	46	1,061	578	172	102	62	315
Race:	White	136	2,173	1,075	309	232	141	686
	Black	-	6	6	-	-	-	-
	Indian	1	10	4	1	1	-	-
	Other & Unknown	-	6	3	-	-	-	4
ICDA**	CAUSE OF DEATH							
001-139	Infective-parasitic	1	16	9	7	-	3	4
010-018	Tuberculosis	-	-	-	-	-	1	-
140-208	Neoplasms-malignant	20	511	262	76	40	24	153
150-159	Digestive	8	161	79	19	8	6	41
160-165	Respiratory	4	108	46	7	8	3	40
174-175	Breast	2	65	39	9	5	2	16
179-187	Genital	-	55	29	7	7	4	11
188-189	Urinary	1	25	13	7	3	1	4
204-208	Leukemia	1	17	10	5	1	3	10
250	Diabetes mellitus	6	36	17	4	3	6	5
390-448	Major cardiovascular	74	1,039	496	122	111	61	338
390-398	Rheumatic heart	-	6	2	1	1	-	1
402,404	Hypertensive heart	-	24	15	-	1	-	2
410-414	Ischemic heart	43	512	242	75	50	32	174
420-429	Other heart	15	228	91	20	21	9	67
400-401, & 403	Hypertension	-	9	4	2	1	-	3
430-438	Cerebrovascular	11	177	99	18	28	15	56
440	Arteriosclerosis	3	37	19	4	7	2	22
460-519	Respiratory	16	179	100	15	23	11	47
480-486	Pneumonia	10	83	50	6	12	6	12
487	Influenza	-	3	1	-	-	-	1
490-491	Bronchitis	-	2	1	1	1	-	-
492	Emphysema	-	14	6	-	1	-	2
493	Asthma	1	3	3	-	1	-	3
531-533	Ulcer of stomach and duodenum	-	8	2	2	-	-	4
550-553, & 560	Hernia & intestinal obstruction	-	6	4	1	1	-	2
571	Chronic liver disease and cirrhosis	-	19	9	2	5	-	1
580-589	Nephritis, nephrotic syndrome & nephrosis	2	16	3	5	1	2	10
590	Kidney infection	-	-	-	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-
740-759	Congenital anomalies	-	13	9	4	3	1	10
760-779	Perinatal conditions	-	8	4	2	2	1	6
780-799	Ill-defined	1	60	37	12	-	13	8
Residual	Other diseases	8	162	88	33	19	11	54
E800-949	Unintentional Injury	6	80	30	22	19	7	38
E810-825	Motor vehicle	4	40	13	8	8	6	21
E880-888	Falls	1	18	9	4	5	-	-
E950-959	Suicide & self-inflicted injury	2	35	15	3	6	-	7
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	4	2	-	-	-	1
E980-999	Other violent deaths	1	3	1	-	-	1	2

Table 46
SELECTED MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

		Steele	Stevens	Swift	Todd	Traverse	Wabasha	Wadena
DEATHS - Total		227	110	142	248	77	206	185
Rate:	Age & sex adjusted	6.7	8.2	8.0	8.0	9.0	8.5	9.9
Rate:	Sex adjusted-age specific							
	Under 5 years	1.1	0.0	2.9	2.0	2.4	1.2	4.0
	5-14 years	0.0	0.0	0.4	0.0	0.0	0.0	0.0
	15-24 years	0.2	0.0	2.0	1.6	0.0	2.0	0.6
	25-44 years	0.9	1.9	1.2	1.0	1.6	0.5	0.6
	45-64 years	5.1	7.3	7.0	6.7	3.2	7.8	8.4
	65 years and over	44.6	52.1	47.2	49.7	63.4	53.8	63.8
Sex:	Male	128	60	80	127	44	101	97
	Female	99	50	62	121	33	105	88
Race:	White	227	110	141	248	77	206	185
	Black	-	-	-	-	-	-	-
	Indian	-	-	-	-	-	-	-
	Other & Unknown	-	-	1	-	-	-	-
ICDA**	CAUSE OF DEATH							
001-139	Infective-parasitic	3	-	2	2	1	-	2
010-018	Tuberculosis	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	47	27	38	57	13	49	35
150-159	Digestive	14	7	5	13	5	12	5
160-165	Respiratory	9	7	8	10	3	12	6
174-175	Breast	5	2	3	7	1	5	4
179-187	Genital	8	3	6	11	1	6	6
188-189	Urinary	-	1	1	3	-	2	1
204-208	Leukemia	-	1	1	2	2	4	2
250	Diabetes mellitus	3	5	2	4	2	3	3
390-448	Major cardiovascular	110	50	65	113	43	106	99
390-398	Rheumatic heart	2	-	-	-	1	1	-
402,404	Hypertensive heart	-	-	-	-	-	-	-
410-414	Ischemic heart	58	35	25	45	17	48	60
420-429	Other heart	24	7	18	37	9	30	9
400-401, & 403	Hypertension	-	1	1	3	-	-	1
430-438	Cerebrovascular	20	7	11	23	16	19	23
440	Arteriosclerosis	4	-	5	4	-	4	2
460-519	Respiratory	17	14	6	14	4	15	14
480-486	Pneumonia	4	10	2	7	1	6	5
487	Influenza	1	-	-	1	-	-	1
490-491	Bronchitis	-	-	-	-	-	-	-
492	Emphysema	2	1	-	-	-	1	-
493	Asthma	-	-	-	-	1	-	1
531-533	Ulcer of stomach and duodenum	3	-	-	1	-	-	-
550-553, & 560	Hernia & intestinal obstruction	-	-	1	-	-	1	-
571	Chronic liver disease and cirrhosis	4	1	1	1	-	3	1
580-589	Nephritis, nephrotic syndrome & nephrosis	1	-	2	3	3	4	2
590	Kidney infection	-	-	1	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-
740-759	Congenital anomalies	1	-	-	1	-	-	2
760-779	Perinatal conditions	1	-	1	2	-	-	-
780-799	Ill-defined	5	4	2	10	1	2	7
Residual	Other diseases	23	7	12	23	8	10	10
E800-949	Unintentional Injury	6	2	5	14	2	13	7
E810-825	Motor vehicle	2	-	-	9	-	7	3
E880-888	Falls	2	-	1	2	1	3	1
E950-959	Suicide & self-inflicted injury	3	-	3	2	-	-	1
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	-	-	1	-	-	2
E980-999	Other violent deaths	-	-	1	-	-	-	-

Table 46
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1985 (CONT.)

		Waseca	Washington	Watonwan	Wilkin	Winona	Wright	Yellow Medicine	Unknown
DEATHS - Total		161	617	140	85	391	429	152	5
Rate:	Age & sex adjusted	7.7	8.5	8.7	8.0	7.8	7.7	8.2	0.0
Rate:	Sex adjusted-age specific								
	Under 5 years	2.7	1.4	2.0	1.5	2.2	1.4	0.9	0.0
	5-14 years	0.0	0.2	0.0	0.0	0.0	0.4	0.0	0.0
	15-24 years	1.4	0.6	2.3	0.0	0.3	1.1	0.5	0.0
	25-44 years	0.7	0.8	1.2	0.9	0.7	1.2	1.3	0.0
	45-64 years	6.9	6.2	9.1	5.4	6.0	6.6	6.2	0.0
	65 years and over	47.6	56.6	50.7	54.6	51.1	47.5	53.5	0.0
Sex:	Male	81	337	80	38	195	249	70	4
	Female	80	280	60	47	196	180	82	1
Race:	White	160	615	140	85	391	429	149	5
	Black	-	-	-	-	-	-	-	-
	Indian	-	-	-	-	-	-	1	-
	Other & Unknown	1	2	-	-	-	-	2	-
ICDA**	CAUSE OF DEATH								
001-139	Infective-parasitic	1	5	-	1	-	4	2	-
010-018	Tuberculosis	-	1	-	-	-	-	-	-
140-208	Neoplasms-malignant	28	140	27	14	88	85	28	-
150-159	Digestive	8	39	6	6	25	26	8	-
160-165	Respiratory	6	36	6	1	22	21	6	-
174-175	Breast	2	12	1	2	6	7	3	-
179-187	Genital	8	14	6	1	8	10	3	-
188-189	Urinary	2	2	2	1	4	4	1	-
204-208	Leukemia	1	8	1	-	2	3	3	-
250	Diabetes mellitus	7	6	-	2	2	8	2	-
390-448	Major cardiovascular	91	277	74	53	196	195	69	-
390-398	Rheumatic heart	-	2	-	-	3	1	-	-
402,404	Hypertensive heart	-	2	1	-	1	2	-	-
410-414	Ischemic heart	44	147	49	32	92	96	26	-
420-429	Other heart	22	54	8	6	49	47	20	-
400-401, & 403	Hypertension	-	1	-	-	6	2	-	-
430-438	Cerebrovascular	18	49	9	12	31	33	16	-
440	Arteriosclerosis	2	9	3	1	6	5	2	-
460-519	Respiratory	6	58	10	9	27	35	21	-
480-486	Pneumonia	2	19	3	7	16	18	10	-
487	Influenza	1	-	-	-	-	1	1	-
490-491	Bronchitis	1	4	-	-	-	-	-	-
492	Emphysema	-	4	-	1	-	1	1	-
493	Asthma	-	3	-	-	1	1	-	-
531-533	Ulcer of stomach and duodenum	1	3	1	-	2	-	1	-
550-553, & 560	Hernia & intestinal obstruction	1	2	1	-	3	-	2	-
571	Chronic liver disease and cirrhosis	3	5	-	-	8	6	1	-
580-589	Nephritis, nephrotic syndrome & nephrosis	4	5	4	-	2	7	1	-
590	Kidney infection	-	-	1	-	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	3	4	-	1	1	3	-	-
760-779	Perinatal conditions	2	8	1	-	3	3	1	-
780-799	Ill-defined	1	17	2	1	3	22	1	-
Residual	Other diseases	6	39	6	4	35	23	17	1
E800-949	Unintentional Injury	5	30	12	-	17	30	5	1
E810-825	Motor vehicle	1	19	2	-	5	21	2	-
E880-888	Falls	1	2	2	-	7	2	1	-
E950-959	Suicide & self-inflicted injury	2	15	1	-	2	7	1	1
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	1	-	-	1	-	-	1
E980-999	Other violent deaths	-	2	-	-	1	1	-	1

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* As of the 1980 Census

** For detailed causes see Table 40

MARRIAGE & DIVORCE

Table 47
MARRIAGES REPORTED IN MINNESOTA BY STATE OF RESIDENCE
1985

State of Residence	Marriages Reported		Percent of Marriages Reported	
	Residence of Bride	Residence of Groom	Residence of Bride	Residence of Groom
Total	35,059	35,059	100.0	100.0
Minnesota*	32,834	31,499	93.7	89.8
Other Areas and Unknown	2,225	3,560	6.3	10.2
Iowa	142	241	0.4	0.7
North Dakota	306	435	0.9	1.2
South Dakota	103	160	0.3	0.5
Wisconsin	356	521	1.0	1.5
Other States	1,247	2,068	3.6	5.9
U.S. Territories	-	4	0.0	0.0
Other Nations	71	131	0.2	0.4
Unknown	-	-	-	-

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* The resident totals are not true resident totals for Minnesota. Information is not available at the present time on the number of Minnesotans who marry in other States.

Table 48
MARRIAGES, DIVORCES, AND ANNULMENTS BY COUNTY OF OCCURRENCE
MINNESOTA, 1985

County	Marriages	Divorces	Annulments	Unknown Divorce or Annulment
State Total	35,059	14,779	11	5
Aitkin	71	43	-	-
Anoka	1,459	929	-	-
Becker	235	84	-	-
Beltrami	332	144	-	-
Benton	65	79	-	-
Big Stone	53	18	-	-
Blue Earth	545	149	-	-
Brown	224	91	-	-
Carlton	234	117	-	-
Carver	274	123	-	-
Cass	90	48	-	-
Chippewa	90	35	-	-
Chisago	210	100	-	-
Clay	517	199	1	-
Clearwater	65	22	-	-
Cook	30	19	-	-
Cottonwood	110	25	-	-
Crow Wing	389	189	-	-
Dakota	793	573	2	-
Dodge	120	51	-	-
Douglas	235	100	-	-
Faribault	93	43	-	-
Fillmore	118	40	-	-
Freeborn	270	130	-	-
Goodhue	266	92	-	-
Grant	39	18	-	-
Hennepin	11,138	4,129	2	-
Houston	147	53	-	-
Hubbard	106	51	-	-
Isanti	167	83	1	-
Itasca	304	172	-	-
Jackson	83	32	-	-
Kanabec	79	44	1	-
Kandiyohi	341	119	-	-
Kittson	42	15	-	-
Koochiching	121	58	-	-
Lac Qui Parle	50	24	-	-
Lake	81	26	-	-
Lake of the Woods	33	16	-	-
Le Sueur	118	56	-	-
Lincoln	45	11	-	-
Lyon	246	82	-	-
McLeod	244	79	-	-
Mahnomen	37	12	-	-
Marshall	70	23	-	-

Table 48
MARRIAGES, DIVORCES, AND ANNULMENTS BY COUNTY OF OCCURRENCE
MINNESOTA, 1985 (CONT.)

County	Marriages	Divorces	Annulments	Unknown Divorce or Annulment
Martin	163	94	-	-
Meeker	165	64	-	1
Mille Lacs	128	60	1	1
Morrison	220	88	-	-
Mower	229	126	-	-
Murray	54	23	-	-
Nicollet	127	76	-	-
Nobles	163	51	-	1
Norman	53	20	-	-
Olmsted	998	416	-	2
Otter Tail	277	172	-	-
Pennington	140	67	-	-
Pine	152	60	-	-
Pipestone	73	32	-	-
Polk	258	123	-	-
Pope	66	30	-	-
Ramsey	4,307	1,817	1	-
Red Lake	31	12	-	-
Redwood	131	37	-	-
Renville	88	41	-	-
Rice	307	145	-	-
Rock	99	22	-	-
Roseau	125	27	-	-
St. Louis	1,564	851	1	-
Scott	659	188	-	-
Sherburne	202	116	-	-
Sibley	87	21	-	-
Stearns	1,127	243	-	-
Steele	210	93	-	-
Stevens	92	26	-	-
Swift	74	17	-	-
Todd	133	71	-	-
Traverse	32	11	-	-
Wabasha	103	32	-	-
Wadena	176	27	-	-
Waseca	129	56	-	-
Washington	784	514	1	-
Watonwan	70	38	-	-
Wilkin	53	12	-	-
Winona	362	122	-	-
Wright	405	164	-	-
Yellow Medicine	64	28	-	-
Unknown	-	-	-	-

Table 49
MARRIAGES OCCURRING IN MINNESOTA BY RACE OF BRIDE AND GROOM, 1985

	GROOM								
BRIDE	TOTAL	WHITE	BLACK	INDIAN	CHINESE	JAPANESE	OTHER* ASIAN	OTHER	UNKNOWN
TOTAL	35,059	30,585	686	231	32	12	163	11	3,339
WHITE	30,454	29,868	221	99	11	10	53	7	185
BLACK	476	40	419	-	-	-	1	-	16
INDIAN	263	123	5	129	-	-	2	-	4
CHINESE	43	24	-	-	18	-	1	-	-
JAPANESE	14	12	1	-	-	1	-	-	-
OTHER ASIAN*	183	72	3	-	-	-	98	-	10
OTHER	36	32	-	-	-	-	-	3	1
UNKNOWN	3,590	414	37	3	3	1	8	1	3,123

* Includes Pacific Islanders

Table 50

MARRIAGES OCCURRING IN MINNESOTA

BY AGE OF BRIDE AND GROOM, 1985

		Groom's Age												
Bride's Age	Total	Under 18	18-19	20	21-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 & Over	Un-known*
Total	35,059	37	1,161	1,587	11,046	10,097	4,786	2,552	1,336	800	531	380	260	476	10
Under 18	372	15	145	66	116	25	4	1	-	-	-	-	-	-	-
18-19	3,490	17	707	721	1,611	366	48	11	6	1	-	-	1	-	1
20	2,783	2	160	367	1,648	493	83	24	3	1	2	-	-	-	-
21-24	12,182	2	125	370	6,354	4,156	879	209	63	13	8	1	1	1	-
25-29	8,061	-	17	51	1,090	3,995	1,964	662	175	70	19	12	3	2	1
30-34	3,704	-	6	5	167	844	1,324	852	323	113	38	25	4	3	-
35-39	1,920	1	-	4	41	164	389	587	404	197	84	36	6	6	1
40-44	964	-	-	2	4	38	65	149	272	234	120	51	22	7	-
45-49	550	-	-	1	5	5	25	48	79	126	135	73	35	18	-
50-54	321	-	-	-	-	3	1	5	10	37	97	92	46	30	-
55-59	195	-	-	-	-	3	-	-	1	5	16	60	60	50	-
60-64	200	-	-	-	1	-	1	1	-	3	9	22	52	111	-
65+	290	-	-	-	-	1	-	-	-	-	3	8	30	248	-
Unknown*	27	-	1	-	9	4	3	3	-	-	-	-	-	-	7

* Includes age specified as legal

Table 51
DIVORCES AND ANNULMENTS BY AGE OF HUSBAND AND WIFE
MINNESOTA, 1985

	Husband's Age											
Wife's Age	Total	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 & Over	Unknown
Total	14,795	30	1,325	3,026	2,934	2,418	1,711	1,047	610	372	210	222	890
15-19	128	15	88	18	6	1	-	-	-	-	-	-	-
20-24	2,382	12	1,018	1,043	208	67	21	4	2	-	-	-	7
25-29	3,329	1	176	1,648	1,119	273	66	25	7	2	1	-	11
30-34	2,777	-	28	235	1,355	852	207	58	16	8	1	1	16
35-39	2,201	1	6	52	204	1,051	642	165	40	20	7	3	10
40-44	1,423	-	2	16	27	141	661	402	113	37	17	3	4
45-49	743	-	-	4	4	17	72	343	203	66	25	7	2
50-54	433	-	-	3	2	6	27	40	186	112	38	18	1
55-59	224	-	1	-	2	-	6	6	34	103	51	21	-
60-64	139	-	-	-	-	1	1	2	7	17	53	58	-
65 & Over	131	-	-	-	-	-	1	-	1	4	17	106	2
Unknown	885	1	6	7	7	9	7	2	1	3	-	5	837

OCCUPATIONAL ILLNESS & INJURY

Table 52
NUMBER OF INJURIES AND ILLNESSES BY MAJOR INDUSTRIAL CATEGORY MINNESOTA, 1984 AND 1985

	Number of Injuries and Illnesses				Percent Change
Industrial Category	1984	Percent of Total	1985	Percent of Total	1984-1985
Private Sector					
1. Agriculture, Forestry and Fisheries	806	1.7	830	1.7	+ 3.0
2. Mining	349	0.7	228	0.5	-34.7
3. Construction	4,430	9.3	4,577	9.5	+ 3.3
4. Manufacturing	15,147	31.9	14,919	31.1	- 1.5
5. Transportation and Public Utilities	3,966	8.4	3,781	7.9	- 4.7
6. Wholesale and Retail Trades	9,652	20.4	9,774	20.3	+ 1.3
7. Finance, Insurance and Real Estate	757	1.6	723	1.5	- 4.5
8. Services	7,762	16.4	8,375	17.4	+ 7.9
9. Public Sector*	4,559	9.6	4,822	10.0	+ 5.8
Nonclassified Industries	1	0.0	8	0.0	0.0
Total	47,429	100.0	48,037	100.0	1.3

* Industrial categories are not differentiated. Includes all government and public adminstration data; regardless of industrial category.

Table 53
ANNUAL AVERAGE EMPLOYMENT, PERCENT OF TOTAL EMPLOYMENT AND RATE OF OCCUPATIONAL INJURIES AND ILLNESSES PER 1,000 WORKERS BY INDUSTRIAL CATEGORY*, MINNESOTA 1984 AND 1985

Industrial Category	1984	1985
Mining		
Annual Average Employment	9,400	8,336
Percent	0.5	0.4
Rate of Injuries Per 1,000 Workers	37.1	27.4
Construction		
Annual Average Employment	67,600	71,310
Percent	3.7	3.8
Rate of Injuries Per 1,000 Workers	65.5	64.2
Manufacturing		
Annual Average Employment	373,700	375,279
Percent	20.5	20.1
Rate of Injuries Per 1,000 Workers	40.5	39.8
Transportation and Public Utilities		
Annual Average Employment	96,900	98,353
Percent	5.3	5.3
Rate of Injuries Per 1,000 Workers	40.9	38.4
Wholesale and Retail Trades		
Annual Average Employment	455,800	465,605
Percent	25.0	25.0
Rate of Injuries Per 1,000 Workers	21.2	21.0
Finance, Insurance and Real Estate		
Annual Average Employment	106,100	110,297
Percent	5.8	5.9
Rate of Injuries Per 1,000 Workers	7.1	6.6
Services		
Annual Average Employment	416,600	434,407
Percent	22.9	23.3
Rate of Injuries Per 1,000 Workers	18.6	19.3
Public Administration and Government		
Annual Average Employment	293,700	301,185
Percent	16.1	16.2
Rate of Injuries Per 1,000 Workers	15.5	16.0
Total - Average Annual Employment	1,819,800	1,864,772
Total - Rate of Injuries Per 1,000 Workers	26.1	25.8

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* Occupational injury and illness rates were calculated by dividing the number of injuries for an industrial category by the average annual employment and are reported as rate per 1,000 workers.

Table 54
NUMBER OF INJURIES AND ILLNESSES BY MAJOR OCCUPATIONAL CATEGORY MINNESOTA, 1984 AND 1985

	Number of Injuries and Illnesses				Percent Change
Occupational Category	1984	Percent of Total	1985	Percent of Total	1984-1985
1. Professional and Technical	2,280	4.8	2,395	5.0	+ 5.0
2. Managers and Administrators	2,284	4.8	2,187	4.6	- 4.2
3. Sales Workers	862	1.8	969	2.0	+12.4
4. Clerical Workers	2,451	5.2	2,814	5.9	+14.8
5. Crafts Workers	8,067	17.0	8,535	17.8	+ 5.8
6. Operatives	12,924	27.2	13,027	27.1	+ 0.8
7. Laborers	7,924	16.7	7,006	14.6	-11.6
8. Farmers and Farm Laborers	352	0.7	376	0.8	+ 6.8
9. Service Workers	8,779	18.5	9,458	19.7	+ 7.7
Not Reported	1,506	3.2	1,270	2.6	-15.7
Total	47,429	100.0	48,037	100.0	+ 1.3

Table 55
NUMBER OF OCCUPATIONAL INJURIES AND ILLNESSES BY TYPE OF ACCIDENT
MINNESOTA, 1984 AND 1985

	Number of Injuries and Illnesses				Percent Change
Type of Accident	1984	Percent of Total	1985	Percent of Total	1984-1985
Struck Against or By Object	9,036	19.1	8,599	17.9	- 4.8
Fall	7,685	16.2	7,485	15.6	- 2.6
Caught In, Under or Between Objects	1,881	4.0	1,844	3.8	- 2.0
Abraded	936	2.0	1,063	2.2	+13.6
Motion	2,896	6.1	2,937	6.1	+ 1.4
Over Exertion	15,124	31.9	16,138	33.6	+ 6.7
Contact with Electricity	75	0.2	67	0.1	-10.7
Contact with Extreme Temperature	923	1.9	864	1.8	- 6.4
Contact with Radiation Toxics or Caustics	1,019	2.1	1,067	2.2	+ 4.7
Public Transportation	11	0.0	11	0.0	0.0
Motor Vehicle Accidents	1,181	2.5	1,157	2.4	- 2.0
Exposure to Noise	52	0.1	80	0.2	+53.8
Explosion	100	0.2	70	0.1	-30.0
Non-Highway Motor Vehicle Accidents	NA	NA	229	0.5	NA
Accidents, N.E.C.	459	1.0	569	1.2	+24.0
Unclassified Data	6,051	12.8	5,857	12.2	- 3.2
Total	47,429	100.0	48,037	100.0	+ 1.3

Table 56
NUMBER OF OCCUPATIONAL INJURIES AND ILLNESSES BY NATURE OF INJURY
MINNESOTA, 1984 AND 1985

	Number of Injuries and Illnesses				Percent Change
Nature of Injury	1984	Percent of Total	1985	Percent of Total	1984-1985
Amputation	108	0.2	91	0.2	-15.7
Laceration	5,684	12.0	5,439	11.3	- 4.3
Contusion	3,801	8.0	3,737	7.8	- 1.7
Abrasion	661	1.4	661	1.4	0.0
Heat Burn	974	2.1	885	1.8	- 9.1
Chemical Burn	338	0.7	397	0.8	+17.5
Concussion	138	0.3	128	0.3	- 7.2
Fracture	3,540	7.5	3,205	6.7	- 9.5
Dislocation	1,519	3.2	1,386	2.9	- 8.8
Sprain	21,278	44.9	22,163	46.1	+ 4.2
Hernia	925	2.0	981	2.0	+ 6.1
Asphyxia	9	0.0	6	0.0	-33.3
Barometric Effects	7	0.0	1	0.0	-85.7
Frostbite, Freezing	13	0.0	26	0.1	+100.0
Heat Stroke	10	0.0	4	0.0	-60.0
Electric Shock	52	0.1	38	0.1	-26.9
Hearing Loss	73	0.2	97	0.2	+32.9
Infective Diseases	33	0.1	66	0.1	+100.0
Respiratory Diseases	77	0.2	70	0.1	- 9.1
Pneumoconiosis	13	0.0	12	0.0	- 7.7
Poisoning	333	0.7	309	0.6	- 7.2
Mental Diseases	114	0.2	136	0.3	+19.3
Nervous System Diseases	420	0.9	719	1.5	+71.2
Neoplasm	9	0.0	6	0.0	-33.3
Radiation Effects	37	0.1	31	0.1	-16.2
Dermatitis	312	0.7	289	0.6	- 7.4
Circulatory System	101	0.2	162	0.3	+60.4
Heart Conditions (Includes Heart Attack)	238	0.5	225	0.5	- 5.5
Eye Diseases	17	0.0	27	0.1	+58.8
Inflammation of Joints	1,354	2.9	1,232	2.6	- 9.0
Hemorrhoids	13	0.0	16	0.0	+23.1
Multiple Injuries	1,070	2.3	1,216	2.5	+13.6
Unclassified	4,158	8.8	4,276	8.9	+ 2.8
Total	47,429	100.0	48,037	100.0	+ 1.3

Table 57
NUMBER OF OCCUPATIONAL INJURIES AND ILLNESSES BY PART OF BODY INJURED
MINNESOTA, 1984 AND 1985

	Number of Injuries and Illnesses				Percent Change
Part of Body	1984	Percent of Total	1985	Percent of Total	1984-1985
Head	1,273	2.7	1,180	2.5	- 7.3
Eye	1,166	2.5	1,099	2.3	- 5.7
Neck	786	1.7	864	1.8	+ 9.9
Upper Extremities, Except Finger	6,850	14.4	6,851	14.3	0.0
Finger	4,541	9.6	4,358	9.1	- 4.0
Trunk, Except Back	5,011	10.6	5,201	10.8	+ 3.8
Back	14,621	30.8	15,043	31.3	+ 2.9
Lower Extremities, Except Leg	4,148	8.7	4,088	8.5	- 1.4
Leg	3,934	8.3	3,871	8.1	- 1.6
Body Systems	1,091	2.3	1,127	2.3	+ 3.3
Multiple Parts	3,405	7.2	3,743	7.8	+ 9.9
Body Parts Unclassified	603	1.3	612	1.3	+ 1.5
Total	47,429	100.0	48,037	100.0	- 1.3

POPULATION

POPULATION OF MINNESOTA

The population of Minnesota grew by an estimated 117,003 persons from April 1, 1980 to April 1, 1985.[1] The 1985 population of 4,192,973 persons represents an increase of 2.9 percent since 1980. Minnesota's population growth rate increased between 1984 and 1985 when the state grew by 31,509 persons. This one year change was greater than the 28,130 increase experienced in the previous two-year period between 1982 and 1984.

Minnesota's growth rate of 2.9 percent between 1980 and 1985 was slower than the national growth rate of 5.4 percent over the same period. Thirty-one states grew faster than Minnesota between 1980 and 1985. In absolute numbers, Minnesota's addition of over 117,000 people was surpassed by 21 other states including the "frostbelt" states of New York and New Jersey. Despite its relatively slow growth, Minnesota remains twenty-first among the states on the basis of population size. Compared with its immediate neighbors, Minnesota's growth rate exceeded that of Iowa, Michigan, South Dakota and Wisconsin. Although Minnesota's growth rate between 1980 and 1985 was slower than North Dakota's, Minnesota has grown in each year since 1980, while North Dakota lost population between 1984 and 1985.

Most of the population growth in Minnesota since 1980 has occurred in the suburban and rural areas of the state. The suburban population increased by 8.6 percent between 1980 and 1985 while the rural population increased by 2.7 percent. Although suburban growth has outpaced rural growth since 1980, both suburban and rural areas are growing slower than they did during the 1970's.

Twelve of the twenty fastest growing counties in Minnesota are within metropolitan areas. Among those metropolitan counties are eight in the Twin Cities area, all three counties in the St. Cloud area and Olmsted County. With the exception of Kandiyohi County in west-central Minnesota and Cook County in the northeast corner of the state, the fastest growing nonmetropolitan counties are found in the western lakes region of Minnesota stretching from Douglas County to Roseau and Lake of the Woods Counties. Counties losing population are found in northeastern Minnesota and along the southern and western borders of the state.

The fastest growing counties in Minnesota are Scott and Sherburne with increases of over 15 percent between 1980 and 1985. Six other fast growing counties--Dakota, Washington, Isanti, Chisago, Anoka and Carver--surround the Twin Cities. Hubbard and Beltrami Counties also had rates of growth which rank them among the ten fastest growing counties in Minnesota. Lake County, a northeastern Minnesota county plagued by high unemployment in the iron-mining industry, had the highest rate of population loss since 1980. Other counties with high rates of population loss include Pennington, St. Louis, Cottonwood, Traverse and Yellow Medicine.

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[1] These data are derived from the 1980 census and estimates of the 1985 population of Minnesota counties, cities, and townships available from the Office of State Demographer. Adapted from "Population Notes, August, 1986" and "Population Notes, May, 1987," Minnesota State Planning Agency, Office of State Demographer.

Rapid growth in the Twin Cities suburbs and population losses on the Iron Range have resulted in a change in county population rankings. Hennepin and Ramsey remain the first and second largest counties, respectively. Dakota County, which added over 26,000 persons between 1980 and 1985, has replaced St. Louis County as the third largest county in Minnesota. Anoka County remains in fourth place and St. Louis County, which lost almost 16,000 persons since 1980, has dropped to fifth place.

Minnesota's population change is a result of two factors: natural increase (births minus deaths) and migration. Minnesota recorded approximately 337,176 births between April 1, 1980 and April 1, 1985. During the same time period, approximately 167,076 deaths were recorded. The difference, or natural increase, was 170,100 persons.

The growth caused by natural increase is to some extent countered by loss due to migration. Although natural increase added 170,100 people during the last five years, the population of Minnesota increased by only 117,003 persons. Between 1980 and 1985 an estimated 53,097 more people moved out of Minnesota than moved into the state. This loss is relatively small, amounting to 1.3 percent of the total population.

Twenty-six Minnesota counties experienced net inmigration between 1980 and 1985, while the remaining 61 lost more people than they received. Counties surrounding the Twin Cities (Scott, Sherburne, Dakota, Chisago and Isanti Counties) and to their west and northwest (Hubbard, Kandiyohi, Otter Tail and Douglas Counties) had the highest rates of inmigration. The agricultural areas in the south and the Iron Range and lumbering areas of northeastern Minnesota had the highest rates of outmigration. Pennington and Lake Counties both had outmigration rates exceeding ten percent. Eleven counties experienced greater than six percent outmigration rates.

Please refer to Technical Notes page 4 for explanation of the methodology used to produce age and sex estimates by county.

Table 58

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000** , AND SEX
MINNESOTA, 1985

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
STATE TOTAL	4,192,973	341,846	606,869	720,850	1,276,996	733,685	512,727
MALE	2,060,901	174,958	311,557	362,778	643,397	359,922	208,289
FEMALE	2,132,072	166,888	295,312	358,072	633,599	373,763	304,438
NORTHWESTERN REGION	163,515	13,176	26,980	24,605	43,049	29,804	25,901
MALE	82,213	6,734	14,235	12,786	22,028	14,766	11,664
FEMALE	81,302	6,442	12,745	11,819	21,021	15,038	14,237
NORTHEASTERN REGION	324,845	24,155	47,969	50,006	93,355	60,516	48,844
MALE	161,862	12,559	25,281	25,472	48,081	29,884	20,585
FEMALE	162,983	11,596	22,688	24,534	45,274	30,632	28,259
WEST CENTRAL REGION	209,647	16,989	31,131	33,571	54,815	39,326	33,815
MALE	103,599	8,748	15,576	17,132	27,992	19,446	14,705
FEMALE	106,048	8,241	15,555	16,439	26,823	19,880	19,110
CENTRAL REGION	480,456	44,107	80,076	78,439	136,051	80,984	60,799
MALE	240,333	22,649	40,866	39,710	69,616	40,521	26,971
FEMALE	240,123	21,458	39,210	38,729	66,435	40,463	33,828
SOUTHWESTERN REGION	303,843	25,732	46,377	42,494	79,441	57,817	51,982
MALE	150,830	13,277	24,027	22,440	40,360	28,602	22,124
FEMALE	153,013	12,455	22,350	20,054	39,081	29,215	29,858
SOUTH CENTRAL REGION	222,836	18,367	31,878	40,256	59,450	39,779	33,106
MALE	110,236	9,418	16,808	20,263	30,786	19,315	13,646
FEMALE	112,600	8,949	15,070	19,993	28,664	20,464	19,460
SOUTHEASTERN REGION	412,790	34,588	60,350	69,394	118,105	73,486	56,867
MALE	201,533	17,693	31,000	33,830	59,541	36,331	23,138
FEMALE	211,257	16,895	29,350	35,564	58,564	37,155	33,729
METROPOLITAN REGION	2,075,041	164,732	282,108	382,085	692,730	351,973	201,413
MALE	1,010,295	83,880	143,764	191,145	344,993	171,057	75,456
FEMALE	1,064,746	80,852	138,344	190,940	347,737	180,916	125,957

Table 58

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000** , AND SEX
MINNESOTA, 1985

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
AITKIN	13,390	948	1,960	1,375	3,451	2,789	2,867
MALE	6,660	534	932	813	1,667	1,342	1,372
FEMALE	6,730	414	1,028	562	1,784	1,447	1,495
ANOKA	215,572	19,628	38,732	36,535	78,851	32,023	9,803
MALE	108,662	10,051	20,172	18,425	39,908	16,066	4,040
FEMALE	106,910	9,577	18,560	18,110	38,943	15,957	5,763
BECKER	31,132	2,759	5,043	4,209	8,398	5,889	4,834
MALE	15,756	1,470	2,587	2,292	4,237	3,004	2,166
FEMALE	15,376	1,289	2,456	1,917	4,161	2,885	2,668
BELTRAMI	33,936	2,770	5,421	7,343	8,883	5,727	3,792
MALE	1,728	1,368	2,951	3,741	4,598	2,876	1,684
FEMALE	16,718	1,402	2,470	3,602	4,285	2,851	2,108
BENTON	27,026	2,713	4,031	5,153	8,009	4,096	3,024
MALE	13,469	1,391	1,972	2,605	4,167	2,090	1,244
FEMALE	13,557	1,322	2,059	2,548	3,842	2,006	1,780
BIG STONE	7,934	699	1,278	843	1,867	1,583	1,664
MALE	3,940	350	613	484	1,033	778	682
FEMALE	3,994	349	665	359	834	805	982
BLUE EARTH	53,277	3,970	6,796	14,469	13,497	8,062	6,483
MALE	25,695	2,065	3,439	6,839	6,949	3,889	2,514
FEMALE	27,582	1,905	3,357	7,630	6,548	4,173	3,969
BROWN	28,262	2,305	3,870	4,901	7,134	5,408	4,644
MALE	13,536	1,204	2,088	2,244	3,470	2,644	1,886
FEMALE	14,726	1,101	1,782	2,657	3,664	2,764	2,758
CARLTON	28,530	2,314	4,629	3,580	8,629	5,370	4,008
MALE	14,398	1,189	2,414	1,912	4,424	2,686	1,773
FEMALE	14,132	1,125	2,215	1,668	4,205	2,684	2,235

Table 58

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000** , AND SEX MINNESOTA, 1985

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
CARVER	40,660	3,718	6,376	7,630	12,848	6,415	3,673
MALE	20,833	1,951	3,436	4,084	6,579	3,270	1,513
FEMALE	19,827	1,767	2,940	3,546	6,269	3,145	2,160
CASS	21,352	1,625	3,231	2,423	5,204	4,721	4,148
MALE	10,780	803	1,553	1,406	2,640	2,352	2,026
FEMALE	10,572	822	1,678	1,017	2,564	2,369	2,122
CHIPPEWA	14,823	1,269	2,065	1,711	4,052	2,978	2,748
MALE	7,450	626	1,118	920	2,195	1,457	1,134
FEMALE	7,373	643	947	791	1,857	1,521	1,614
CHISAGO	28,376	2,793	4,853	3,796	8,924	4,574	3,436
MALE	14,399	1,488	2,466	2,060	4,621	2,253	1,511
FEMALE	13,977	1,305	2,387	1,736	4,303	2,321	1,925
CLAY	49,773	3,806	6,685	12,737	13,133	7,865	5,547
MALE	24,367	1,886	3,269	6,128	6,910	3,910	2,264
FEMALE	25,406	1,920	3,416	6,609	6,223	3,955	3,283
CLEARWATER	9,113	782	1,636	1,200	2,242	1,609	1,644
MALE	4,662	419	833	734	1,139	765	772
FEMALE	4,451	363	803	466	1,103	844	872
COOK	4,338	288	635	445	1,444	848	678
MALE	2,110	144	333	212	701	412	308
FEMALE	2,228	144	302	233	743	436	370
COTTONWOOD	13,832	1,120	2,008	1,647	3,454	2,858	2,745
MALE	6,791	613	910	952	1,772	1,422	1,122
FEMALE	7,041	507	1,098	695	1,682	1,436	1,623
CROW WING	42,897	3,584	6,453	5,091	11,913	8,645	7,211
MALE	20,753	1,819	3,132	2,459	5,992	4,147	3,204
FEMALE	22,144	1,765	3,321	2,632	5,921	4,498	4,007

Table 58

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000** , AND SEX MINNESOTA, 1985

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
DAKOTA	220,831	20,039	37,433	36,498	79,529	33,500	13,832
MALE	109,863	10,099	19,183	18,525	39,458	17,024	5,574
FEMALE	110,968	9,940	18,250	17,973	40,071	16,476	8,258
DODGE	15,257	1,672	2,721	1,832	4,783	2,288	1,961
MALE	7,698	793	1,369	1,081	2,441	1,164	850
FEMALE	7,559	879	1,352	751	2,342	1,124	1,111
DOUGLAS	29,912	2,502	4,346	4,578	7,788	5,644	5,054
MALE	14,587	1,246	2,175	2,292	3,901	2,779	2,194
FEMALE	15,325	1,256	2,171	2,286	3,887	2,865	2,860
FARIBAULT	18,720	1,546	2,893	1,943	4,633	4,092	3,613
MALE	9,008	790	1,509	1,096	2,263	1,905	1,445
FEMALE	9,712	756	1,384	847	2,370	2,187	2,168
FILLMORE	21,614	1,738	3,435	2,372	5,762	4,161	4,146
MALE	10,817	983	1,894	1,248	2,837	2,028	1,827
FEMALE	10,797	755	1,541	1,124	2,925	2,133	2,319
FREEBORN	34,963	2,793	5,172	4,681	9,559	7,041	5,717
MALE	17,087	1,357	2,550	2,468	4,919	3,463	2,330
FEMALE	17,876	1,436	2,622	2,213	4,640	3,578	3,387
GOODHUE	39,996	3,476	6,143	5,506	11,102	7,317	6,452
MALE	19,942	1,806	3,249	3,091	5,500	3,653	2,643
FEMALE	20,054	1,670	2,894	2,415	5,602	3,664	3,809
GRANT	7,176	535	1,261	584	1,749	1,405	1,642
MALE	3,557	304	669	330	819	708	727
FEMALE	3,619	231	592	254	930	697	915
HENNEPIN	960,606	67,827	110,742	185,521	318,150	171,113	107,253
MALE	462,222	34,113	56,384	92,368	157,327	82,476	39,554
FEMALE	498,384	33,714	54,358	93,153	160,823	88,637	67,699

Table 58

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000** , AND SEX
MINNESOTA, 1985

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
HOUSTON	18,982	1,590	2,931	2,590	5,399	3,608	2,864
MALE	9,650	877	1,483	1,456	2,803	1,805	1,226
FEMALE	9,332	713	1,448	1,134	2,596	1,803	1,638
HUBBARD	15,348	1,182	2,616	1,723	4,398	2,800	2,629
MALE	7,411	503	1,274	807	2,194	1,412	1,221
FEMALE	7,937	679	1,342	916	2,204	1,388	1,408
ISANTI	26,080	2,313	4,843	3,721	8,476	3,961	2,766
MALE	12,686	1,181	2,401	1,745	4,167	1,999	1,193
FEMALE	13,394	1,132	2,442	1,976	4,309	1,962	1,573
ITASCA	44,141	3,593	7,467	5,779	13,209	7,963	6,130
MALE	22,609	1,947	4,175	2,908	6,810	3,949	2,820
FEMALE	21,532	1,646	3,292	2,871	6,399	4,014	3,310
JACKSON	13,454	1,204	1,950	1,980	3,536	2,528	2,256
MALE	6,761	664	967	1,095	1,843	1,226	966
FEMALE	6,693	540	983	885	1,693	1,302	1,290
KANABEC	12,594	1,156	2,184	1,704	3,429	2,282	1,839
MALE	6,286	608	1,116	856	1,750	1,118	838
FEMALE	6,308	548	1,068	848	1,679	1,164	1,001
KANDIYOHI	39,902	3,287	5,745	7,131	11,090	6,860	5,789
MALE	19,604	1,663	2,920	3,423	5,617	3,462	2,519
FEMALE	20,298	1,624	2,825	3,708	5,473	3,398	3,270
KITTSON	6,755	540	879	803	1,781	1,400	1,352
MALE	3,355	286	444	346	957	701	621
FEMALE	3,400	254	435	457	824	699	731
KOOCHICHING	16,596	1,330	2,780	2,233	4,676	3,303	2,274
MALE	8,277	674	1,460	1,141	2,335	1,637	1,030
FEMALE	8,319	656	1,320	1,092	2,341	1,666	1,244

Table 58

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000** , AND SEX
MINNESOTA, 1985

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
LAC QUI PARLE	10,333	836	1,502	1,157	2,633	2,125	2,080
MALE	5,177	433	722	650	1,374	1,056	942
FEMALE	5,156	403	780	507	1,259	1,069	1,138
LAKE	11,586	851	1,719	1,136	3,601	2,667	1,612
MALE	6,160	481	877	679	1,988	1,408	727
FEMALE	5,426	370	842	457	1,613	1,259	885
LAKE OF THE WOODS	3,888	283	487	520	1,018	902	678
MALE	1,974	168	308	294	522	383	299
FEMALE	1,914	115	179	226	496	519	379
LESUEUR	23,767	2,122	3,815	3,226	6,626	4,443	3,535
MALE	12,031	1,014	1,984	1,839	3,464	2,181	1,549
FEMALE	11,736	1,108	1,831	1,387	3,162	2,262	1,986
LINCOLN	7,806	642	1,278	770	1,793	1,648	1,675
MALE	3,899	276	687	459	917	818	742
FEMALE	3,907	366	591	311	876	830	933
LYON	25,861	2,319	3,975	4,949	6,696	4,243	3,679
MALE	12,803	1,259	2,082	2,345	3,493	2,079	1,545
FEMALE	13,058	1,060	1,893	2,604	3,203	2,164	2,134
MCLEOD	30,290	2,787	4,797	4,353	8,664	5,307	4,382
MALE	14,927	1,471	2,557	2,162	4,304	2,608	1,825
FEMALE	15,363	1,316	2,240	2,191	4,360	2,699	2,557
MAHNOMEN	5,616	456	1,173	718	1,312	1,038	919
MALE	2,909	223	573	445	681	530	457
FEMALE	2,707	233	600	273	631	508	462
MARSHALL	12,800	1,073	2,366	1,294	3,468	2,514	2,085
MALE	6,612	629	1,189	698	1,822	1,313	961
FEMALE	6,188	444	1,177	596	1,646	1,201	1,124

Table 58

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000** , AND SEX
MINNESOTA, 1985

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
MARTIN	24,398	1999	3,595	3,219	6,606	4,708	4,271
MALE	12,397	1,071	2,016	1,739	3,572	2,229	1,770
FEMALE	12,001	928	1,579	1,480	3,034	2,479	2,501
MEEKER	21,120	1,913	3,487	2,539	5,706	4,069	3,406
MALE	10,726	1,005	1,848	1,423	2,927	2,070	1,453
FEMALE	10,394	908	1,639	1,116	2,779	1,999	1,953
MILLE LACS	18,623	1,765	3,036	2,260	4,990	3,422	3,150
MALE	9,429	994	1,661	1,279	2,512	1,601	1,382
FEMALE	9,194	771	1,375	981	2,478	1,821	1,768
MORRISON	30,114	2,932	5,516	4,118	7,633	5,522	4,393
MALE	14,990	1,499	2,864	2,162	3,763	2,761	1,941
FEMALE	15,124	1,433	2,652	1,956	3,870	2,761	2,452
MOWER	39,589	3,060	5,699	5,144	9,716	9,095	6,875
MALE	19,101	1,590	2,827	2,684	4,852	4,358	2,790
FEMALE	20,488	1,470	2,872	2,460	4,864	4,737	4,085
MURRAY	11,233	891	1,920	1,283	2,878	2,304	1,957
MALE	5,639	439	1,019	685	1,505	1,107	884
FEMALE	5,594	452	901	598	1,373	1,197	1,073
NICOLLET	28,190	2,251	4,049	6,251	8,325	4,258	3,056
MALE	14,429	1,136	2,124	3,305	4,451	2,164	1,249
FEMALE	13,761	1,115	1,925	2,946	3,874	2,094	1,807
NOBLES	21,744	1,664	3,144	3,387	5,410	4,429	3,710
MALE	10,445	816	1,532	1,793	2,593	2,200	1,511
FEMALE	11,299	848	1,612	1,594	2,817	2,229	2,199
NORMAN	9,198	741	1,481	905	2,217	1,865	1,989
MALE	4,489	328	797	498	1,066	912	888
FEMALE	4,709	413	684	407	1,151	953	1,101

Table 58

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000** , AND SEX
MINNESOTA, 1985

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
OLMSTED	98,033	8,235	13,369	18,809	31,982	16,139	9,499
MALE	46,699	4,222	7,006	8,063	15,871	8,076	3,461
FEMALE	51,334	4,013	6,363	10,746	16,111	8,063	6,038
OTTER TAIL	55,071	4,350	8,267	6,418	14,636	11,116	10,284
MALE	27,071	2,298	4,051	3,311	7,331	5,475	4,605
FEMALE	28,000	2,052	4,216	3,107	7,305	5,641	5,679
PENNINGTON	13,880	1,123	2,057	2,334	3,844	2,300	2,222
MALE	6,857	611	1,047	1,125	2,031	1,118	925
FEMALE	7,023	512	1,010	1,209	1,813	1,182	1,297
PINE	20,967	1,700	3,421	2,673	5,977	4,031	3,165
MALE	10,860	871	1,759	1,446	3,212	2,119	1,453
FEMALE	10,107	829	1,662	1,227	2,765	1,912	1,712
PIPESTONE	11,302	923	1,696	1,515	2,636	2,314	2.218
MALE	5,452	436	854	867	1,266	1,112	917
FEMALE	5,850	487	842	648	1,370	1,202	1,301
POLK	34,197	2,607	5,665	5,297	8,711	6,337	5,580
MALE	17,070	1,392	3,129	2,806	4,285	3,076	2,382
FEMALE	17,127	1,215	2,536	2,491	4,426	3,261	3,198
POPE	11,780	1,029	1,802	1,102	2,951	2,610	2,286
MALE	5,838	534	890	573	1,575	1,261	1,005
FEMALE	5,942	495	912	529	1,376	1,349	1,281
RAMSEY	460,662	37,597	56,100	89,926	139,468	82,232	55,339
MALE	220,075	19,439	28,108	44,077	69,968	38,490	19,993
FEMALE	240,587	18,158	27,992	45,849	69,500	43,742	35,346
RED LAKE	5,147	423	1,037	612	1,337	873	865
MALE	2,547	201	501	328	693	418	406
FEMALE	2,600	222	536	284	644	455	459

Table 58

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000** , AND SEX
MINNESOTA, 1985

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
REDWOOD	18,715	1,476	3,072	2,171	5,002	3,400	3,594
MALE	9,456	746	1,607	1,403	2,454	1,720	1,526
FEMALE	9,259	730	1,465	768	2,548	1,680	2,068
RENVILLE	19,466	1,617	3,092	2,225	4,947	4,068	3,517
MALE	9,677	810	1,689	1,190	2,448	2,025	1,515
FEMALE	9,789	807	1,403	1,035	2,499	2,043	2,002
RICE	47,431	3,902	6,819	10,781	12,994	7,242	5,693
MALE	23,139	1,880	3,385	5,357	6,542	3,628	2,347
FEMALE	24,292	2,022	3,434	5,424	6,452	3,614	3,346
ROCK	10,599	963	1,635	1,429	2,722	2,100	1,750
MALE	5,070	496	805	666	1,345	1,027	731
FEMALE	5,529	467	830	763	1,377	1,073	1,019
ROSEAU	13,637	1,196	2,162	1,856	3,838	2,439	2,146
MALE	7,109	606	1,189	964	2,040	1,262	1,048
FEMALE	6,528	590	973	892	1,798	1,177	1,098
ST LOUIS	206,264	14,831	28,779	35,458	58,345	37,576	31,275
MALE	101,648	7,590	15,090	17,807	30,156	18,450	12,555
FEMALE	104,616	7,241	13,689	17,651	28,189	19,126	18,720
SCOTT	51,195	4,918	9,557	8,060	17,402	7,292	3,966
MALE	26,012	2,525	5,023	4,278	8,774	3,723	1,689
FEMALE	25,183	2,393	4,534	3,782	8,628	3,569	2,277
SHERBURNE	34,690	3,179	6,724	5,452	11,654	4,784	2,897
MALE	17,431	1,579	3,375	2,833	5,973	2,410	1,261
FEMALE	17,259	1,600	3,349	2,619	5,681	2,374	1,636
SIBLEY	15,701	1,334	2,579	2,081	3,936	3,021	2,750
MALE	7,898	681	1,349	1,061	2,091	1,466	1,250
FEMALE	7,803	653	1,230	1,020	1,845	1,555	1,500

Table 58

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000** , AND SEX
MINNESOTA, 1985

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
STEARNS	114,921	10,314	17,642	27,671	29,305	18,235	11,754
MALE	57,822	5,434	9,266	13,464	15,311	9,226	5,121
FEMALE	57,099	4,880	8,376	14,207	13,994	9,009	6,633
STEELE	30,643	2,821	4,495	4,612	9,076	5,475	4,164
MALE	15,060	1,415	2,224	2,318	4,682	2,675	1,746
FEMALE	15,583	1,406	2,271	2,294	4,394	2,800	2,418
STEVENS	11,261	893	1,593	2,340	2,746	1,947	1,742
MALE	5,695	455	852	1,291	1,497	883	717
FEMALE	5,566	438	741	1,049	1,249	1,064	1,025
SWIFT	12,641	1,029	2,033	1,463	3,291	2,443	2,382
MALE	6,488	575	1,175	837	1,682	1,177	1,042
FEMALE	6,153	454	858	626	1,609	1,266	1,340
TODD	25,653	2,496	4,351	3,228	6,686	4,929	3,963
MALE	13,033	1,303	2,242	1,837	3,359	2,461	1,831
FEMALE	12,620	1,193	2,109	1,391	3,327	2,468	2,132
TRAVERSE	5,188	390	809	472	1,223	1,205	1,089
MALE	2,576	210	429	253	600	608	476
FEMALE	2,612	180	380	219	623	597	613
WABASHA	19,298	1,693	2,886	2,477	5,578	3,549	3,115
MALE	9,777	852	1,510	1,319	2,939	1,822	1,335
FEMALE	9,521	841	1,376	1,158	2,639	1,727	1,780
WADENA	13,880	1,003	2,542	1,696	3,578	2,641	2,420
MALE	6,564	454	1,167	893	1,734	1,249	1,067
FEMALE	7,316	549	1,375	803	1,844	1,392	1,353
WASECA	18,716	1,835	2,667	2,817	5,446	3,325	2,626
MALE	9,407	934	1,453	1,469	2,797	1,683	1,071
FEMALE	9,309	901	1,214	1,348	2,649	1,642	1,555

Table 58

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000** , AND SEX
MINNESOTA, 1985

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
WASHINGTON	125,515	11,005	23,168	17,915	46,482	19,398	7,547
MALE	62,628	5,702	11,458	9,388	22,979	10,008	3,093
FEMALE	62,887	5,303	11,710	8,527	23,503	9,390	4,454
WATONWAN	11,805	1,005	1,614	1,349	3,247	2,462	2,128
MALE	5,835	523	846	671	1,729	1,154	912
FEMALE	5,970	482	768	678	1,518	1,308	1,216
WILKIN	8,354	725	1,325	1,131	2,191	1,645	1,337
MALE	4,152	345	654	662	1,122	818	551
FEMALE	4,202	380	671	469	1,069	827	786
WINONA	46,984	3,608	6,680	10,590	12,154	7,571	6,381
MALE	22,563	1,918	3,503	4,745	6,155	3,659	2,583
FEMALE	24,421	1,690	3,177	5,845	5,999	3,912	3,798
WRIGHT	63,283	6,534	11,249	9,453	20,273	9,141	6,633
MALE	31,831	3,225	5,892	4,665	10,415	4,735	2,899
FEMALE	31,452	3,309	5,357	4,788	9,858	4,406	3,734
YELLOW MEDICINE	12,788	1,093	1,700	1,941	3,064	2,560	2,430
MALE	6,525	599	922	1,086	1,592	1,258	1,068
FEMALE	6,263	494	778	855	1,472	1,302	1,362
MINNEAPOLIS	362,090	24,106	31,664	76,093	117,101	56,401	56,725
MALE	171,214	12,110	16,047	37,532	59,755	26,105	19,665
FEMALE	190,876	11,996	15,617	38,561	57,346	30,296	37,060
ST PAUL	267,810	21,732	29,231	52,274	76,681	46,399	41,493
MALE	125,366	11,154	14,734	25,204	38,819	20,917	14,538
FEMALE	142,444	10,578	14,497	27,070	37,862	25,482	26,955
DULUTH	85,037	5,486	10,478	16,450	23,130	14,744	14,749
MALE	40,288	2,766	5,504	7,935	11,743	6,968	5,372
FEMALE	44,749	2,720	4,974	8,515	11,387	7,776	9,377

APPENDICES

APPENDIX A

DEFINITIONS

DEFINITIONS

ABORTION, INDUCED:

The intentional, premature removal from the uterus of a non-viable fetus.

ABORTION PROCEDURES:

Dilation and curettage (sharp curettage): Mechanical dilation of the cervix with removal of the uterine contents by scraping the uterine wall with a surgical curette.

(Dilation and Evacuation, D & E) (Laminaria and curettage): Dilation of the cervix by insertion of laminaria several hours before removal of uterine contents by suction and sharp curettage.

Hysterectomy/hysterotomy: Removal of the fetus by means of a surgical incision made in the uterine wall. In the case of hysterectomy, the entire uterus is removed.

Menstrual extraction (m. regulation, m. induction): Evacuation of the uterine contents by suction curettage, usually before the diagnosis of pregnancy is reliable. Urine pregnancy test may be negative (-) or positive (+).

Prostaglandin: Induction of labor by injection of a prostaglandin (naturally occurring hormone) solution into the amniotic sac. Laminaria are often inserted in the cervix several hours before the injection to aid dilation. Other hormones may be given intravenously to assist labor.

Saline/fluid exchange: Induction of labor by injection of a sterile salt solution into the amniotic sac. Laminaria are often inserted in the cervix several hours before the injection to aid dilation.

Vacuum curettage: Mechanical dilation of the cervix with removal of the uterine contents by low pressure suction created by an electric suction pump.

ABORTION, RESIDENT:

Abortions to Minnesota residents which occurred in Minnesota and were reported during this Surveillance period.

CAUSE OF DEATH:

The Ninth Revision of the International Classification of Diseases (ICD) was used.

COMPLICATIONS OF INDUCED ABORTION:

Any unfavorable condition related to the abortion as reported by the provider facility including: hemorrhage (more than 500 ml), pelvic infection, fever, cervical injury, uterine perforation, or retained tissue.

CURETTE:

A spoon-shaped surgical instrument.

CURETTAGE:

The removal of material from the uterine wall with a curette. Also, the induction of endometrial bleeding by administration and withdrawal of any progestational agent.

FETAL DEATH:

Fetal death is death prior to the complete expulsion or extraction of a product of conception from its mother, irrespective of the duration of pregnancy. In this summary only the fetal deaths of 20 weeks or more are reported.

FETAL DEATH ORDER:

The number of fetal deaths including the current fetal death.

GESTATION:

The period of development of the fetus, expressed in completed weeks, calculated from the first day of the last menstrual period (LMP).

HIGH RISK BIRTH:

A birth is classified as high risk if any of the following conditions exist:

Mother's age: Less than 17 years or over 39 years.
Prenatal care: Less than 3 visits.
Condition not related to pregnancy: Tuberculosis, rubella, diabetes, cardiac condition, or urinary tract infection.
Condition related to pregnancy: Hydramnios or toxemia.
Condition of labor: Prolonged labor.
Birth weight: 2,499 grams or less (5 lb. 8 oz.)
Birth injury: To brain, spinal cord, fractures, other bone injury, paralysis, or nerve injuries.
Birth condition: Hemolytic diseases of newborn, hyaline membrane D, respiratory distress syndrome, or atelectasis.
Congenital anomaly.

INFANT DEATH:

A death under one year of age.

LAMINARIA:

Sterile, dried marine plant stems which are capable of expanding with fluid absorption.

LIVE BIRTH:

Live birth means the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached, each product of such a birth is considered a live born.

LIVE BIRTH ORDER:

The number of live births including the current birth.

MATERNAL DEATH:

Maternal death is a death attributable to delivery or a complication of pregnancy, childbirth, or the puerperium, as defined by the International Classification of Diseases.

NEONATAL DEATH:

A death to an infant under 28 days of age.

RATE:

Rates are given per 1,000 except for certain causes of death when they are stated as per 100,000. See Technical Notes, page 8 for explanations of specific rates included in this report.

REGION:

Region refers to the eight Minnesota Department of Health Districts. Region names and counties within regions follow:

Northwestern:	Beltrami, Clearwater, Hubbard, Kittson, Lake of the Woods, Mahnomen, Marshall, Norman, Pennington, Polk, Red Lake and Roseau
Northeastern:	Aitkin, Carlton, Cook, Itasca, Koochiching, Lake, and St. Louis

West Central: Becker, Clay, Douglas, Grant, Otter Tail, Pope, Stevens, Traverse, and Wilkin

Central: Benton, Cass, Chisago, Crow Wing, Isanti, Kanabec, Mille Lacs, Morrison, Pine, Sherburne, Stearns, Todd, Wadena, and Wright

Southwestern: Big Stone, Chippewa, Cottonwood, Jackson, Kandiyohi, Lac Qui Parle, Lincoln, Lyon, McLeod, Meeker, Murray, Nobles, Pipestone, Redwood, Renville, Rock, Swift, and Yellow Medicine

South Central: Blue Earth, Brown, Faribault, Le Sueur, Martin, Nicollet, Sibley, Waseca, and Watonwan

Southeastern: Dodge, Fillmore, Freeborn, Goodhue, Houston, Mower, Olmsted, Rice, Steele, Wabasha, and Winona

Metropolitan: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington.

RESIDENCE:

This is the geographic area of the usual place of abode of the deceased at the time of death, of the mother in the case of live births or fetal deaths, and of the induced abortion recipient. This means, in general, the place where one lives and sleeps most of the time. However, when usual residence is in a nursing home or other institution, where the patient resided for the purpose of receiving care, residence is coded to the place where the patient lived prior to admission to the institution.

RESIDENT PERCENTAGE, REPORTED INDUCED ABORTIONS:

The number of Minnesota residents receiving induced abortions per 100 total reported induced abortions occurring in Minnesota. Most tables relating to abortions include resident percentages pertinent to selected variables contained within the individual tables.

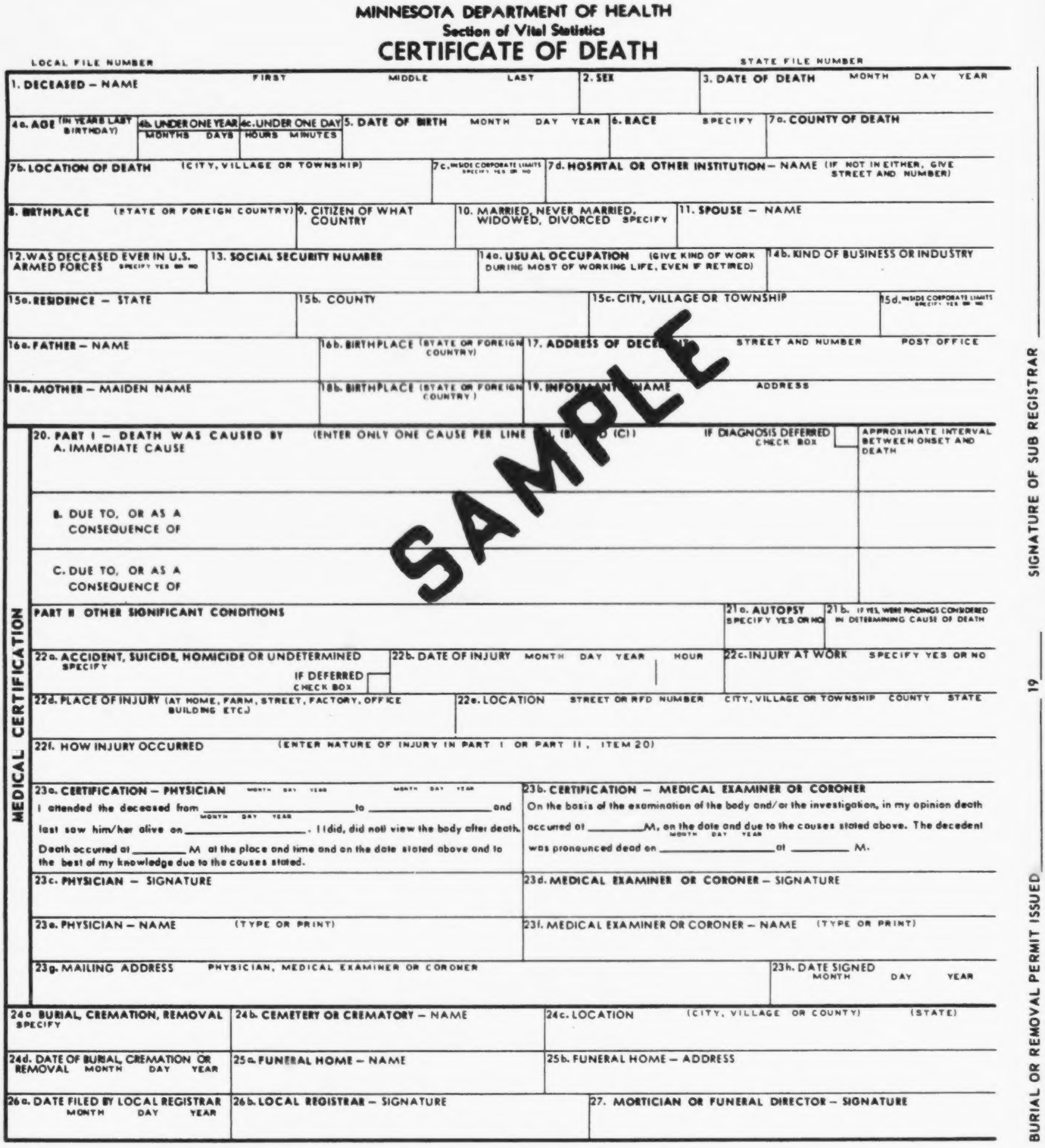
TRIMESTER:

One third of the total gestational period necessary for a full-term pregnancy. Thirteen weeks are allotted to each trimester. The count of weeks begins with the first day of the last menstrual period.

APPENDIX B

DATA COLLECTION INSTRUMENTS

Figure 20



MINNESOTA DEPARTMENT OF HEALTH
Section of Vital Statistics

CERTIFICATE OF DEATH

LOCAL FILE NUMBER
STATE FILE NUMBER

1. DECEASED – NAME FIRST MIDDLE LAST
2. SEX
3. DATE OF DEATH MONTH DAY YEAR
4a. AGE (IN YEARS LAST BIRTHDAY)
4b. UNDER ONE YEAR MONTHS DAYS
4c. UNDER ONE DAY HOURS MINUTES
5. DATE OF BIRTH MONTH DAY YEAR
6. RACE SPECIFY
7a. COUNTY OF DEATH
7b. LOCATION OF DEATH (CITY, VILLAGE OR TOWNSHIP)
7c. INSIDE CORPORATE LIMITS SPECIFY YES OR NO
7d. HOSPITAL OR OTHER INSTITUTION – NAME (IF NOT IN EITHER, GIVE STREET AND NUMBER)
8. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
9. CITIZEN OF WHAT COUNTRY
10. MARRIED, NEVER MARRIED, WIDOWED, DIVORCED SPECIFY
11. SPOUSE – NAME
12. WAS DECEASED EVER IN U.S. ARMED FORCES SPECIFY YES OR NO
13. SOCIAL SECURITY NUMBER
14a. USUAL OCCUPATION (GIVE KIND OF WORK DURING MOST OF WORKING LIFE, EVEN IF RETIRED)
14b. KIND OF BUSINESS OR INDUSTRY
15a. RESIDENCE – STATE
15b. COUNTY
15c. CITY, VILLAGE OR TOWNSHIP
15d. INSIDE CORPORATE LIMITS SPECIFY YES OR NO
16a. FATHER – NAME
16b. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
17. ADDRESS OF DECEDENT STREET AND NUMBER POST OFFICE
18a. MOTHER – MAIDEN NAME
18b. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
19. INFORMANT – NAME ADDRESS

MEDICAL CERTIFICATION

20. PART I – DEATH WAS CAUSED BY (ENTER ONLY ONE CAUSE PER LINE [illegible] (B) AND (C)) IF DIAGNOSIS DEFERRED CHECK BOX ☐ APPROXIMATE INTERVAL BETWEEN ONSET AND DEATH
A. IMMEDIATE CAUSE
B. DUE TO, OR AS A CONSEQUENCE OF
C. DUE TO, OR AS A CONSEQUENCE OF
PART II OTHER SIGNIFICANT CONDITIONS
21a. AUTOPSY SPECIFY YES OR NO
21b. IF YES, WERE FINDINGS CONSIDERED IN DETERMINING CAUSE OF DEATH
22a. ACCIDENT, SUICIDE, HOMICIDE OR UNDETERMINED SPECIFY IF DEFERRED CHECK BOX ☐
22b. DATE OF INJURY MONTH DAY YEAR HOUR
22c. INJURY AT WORK SPECIFY YES OR NO
22d. PLACE OF INJURY (AT HOME, FARM, STREET, FACTORY, OFFICE BUILDING ETC.)
22e. LOCATION STREET OR RFD NUMBER CITY, VILLAGE OR TOWNSHIP COUNTY STATE
22f. HOW INJURY OCCURRED (ENTER NATURE OF INJURY IN PART I OR PART II, ITEM 20)

23a. CERTIFICATION – PHYSICIAN
I attended the deceased from ____________ (MONTH DAY YEAR) to ____________ (MONTH DAY YEAR) and last saw him/her alive on ____________ (MONTH DAY YEAR). I did, did not view the body after death. Death occurred at ________ M at the place and time and on the date stated above and to the best of my knowledge due to the causes stated.

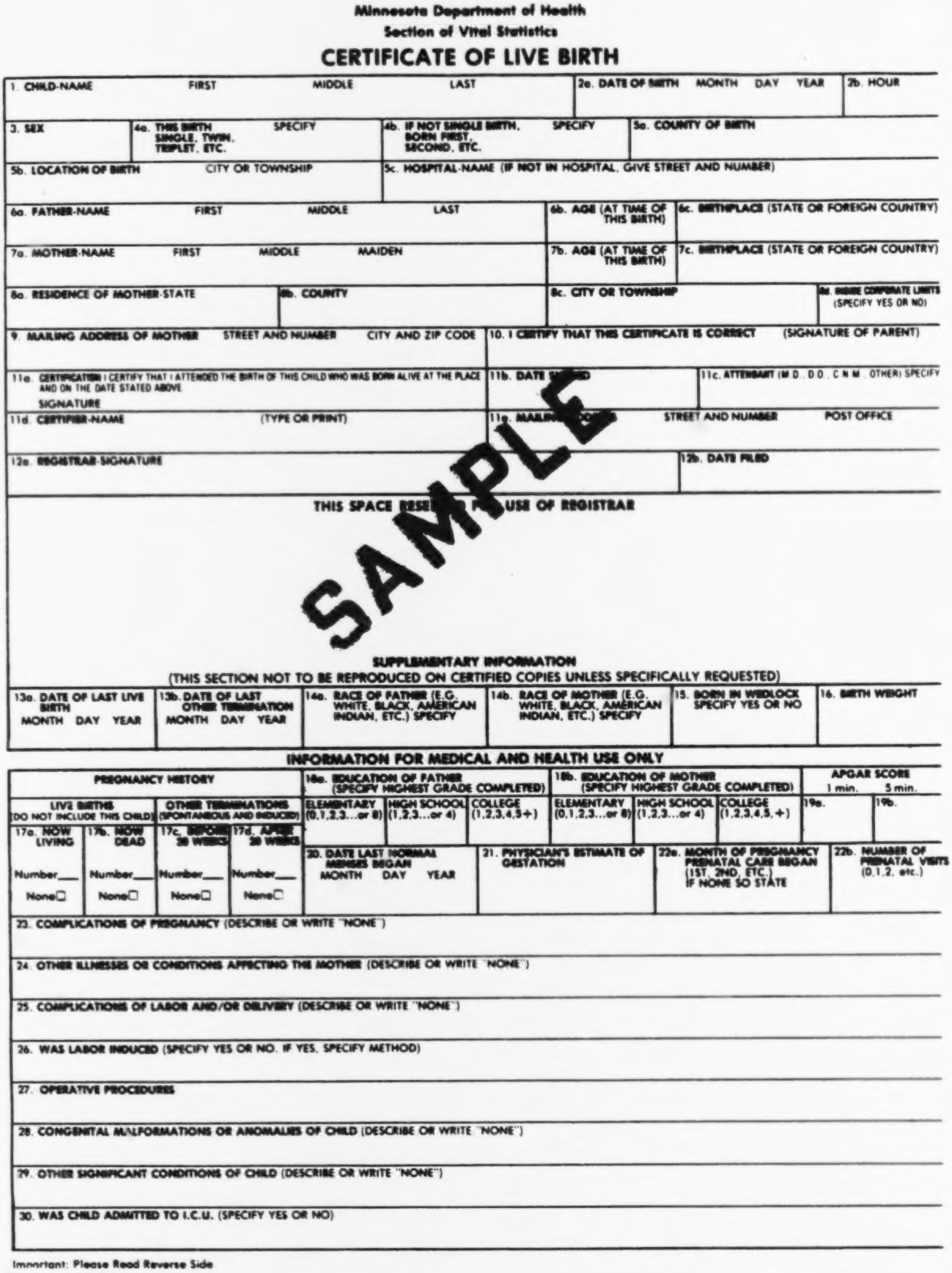
23b. CERTIFICATION – MEDICAL EXAMINER OR CORONER
On the basis of the examination of the body and/or the investigation, in my opinion death occurred at ________ M, on the date and due to the causes stated above. The decedent was pronounced dead on ____________ (MONTH DAY YEAR) at ________ M.

23c. PHYSICIAN – SIGNATURE
23d. MEDICAL EXAMINER OR CORONER – SIGNATURE
23e. PHYSICIAN – NAME (TYPE OR PRINT)
23f. MEDICAL EXAMINER OR CORONER – NAME (TYPE OR PRINT)
23g. MAILING ADDRESS PHYSICIAN, MEDICAL EXAMINER OR CORONER
23h. DATE SIGNED MONTH DAY YEAR
24a. BURIAL, CREMATION, REMOVAL SPECIFY
24b. CEMETERY OR CREMATORY – NAME
24c. LOCATION (CITY, VILLAGE OR COUNTY) (STATE)
24d. DATE OF BURIAL, CREMATION OR REMOVAL MONTH DAY YEAR
25a. FUNERAL HOME – NAME
25b. FUNERAL HOME – ADDRESS
26a. DATE FILED BY LOCAL REGISTRAR MONTH DAY YEAR
26b. LOCAL REGISTRAR – SIGNATURE
27. MORTICIAN OR FUNERAL DIRECTOR – SIGNATURE

SIGNATURE OF SUB REGISTRAR
19__
BURIAL OR REMOVAL PERMIT ISSUED

SAMPLE

Figure 21



Minnesota Department of Health

Section of Vital Statistics

CERTIFICATE OF LIVE BIRTH

SAMPLE

1. CHILD-NAME FIRST MIDDLE LAST			2a. DATE OF BIRTH MONTH DAY YEAR	2b. HOUR
3. SEX	4a. THIS BIRTH SINGLE, TWIN, TRIPLET, ETC. SPECIFY	4b. IF NOT SINGLE BIRTH, BORN FIRST, SECOND, ETC. SPECIFY	5a. COUNTY OF BIRTH	
5b. LOCATION OF BIRTH CITY OR TOWNSHIP	5c. HOSPITAL-NAME (IF NOT IN HOSPITAL, GIVE STREET AND NUMBER)			
6a. FATHER-NAME FIRST MIDDLE LAST		6b. AGE (AT TIME OF THIS BIRTH)	6c. BIRTHPLACE (STATE OR FOREIGN COUNTRY)	
7a. MOTHER-NAME FIRST MIDDLE MAIDEN		7b. AGE (AT TIME OF THIS BIRTH)	7c. BIRTHPLACE (STATE OR FOREIGN COUNTRY)	
8a. RESIDENCE OF MOTHER-STATE	8b. COUNTY	8c. CITY OR TOWNSHIP	8d. INSIDE CORPORATE LIMITS (SPECIFY YES OR NO)	
9. MAILING ADDRESS OF MOTHER STREET AND NUMBER CITY AND ZIP CODE		10. I CERTIFY THAT THIS CERTIFICATE IS CORRECT (SIGNATURE OF PARENT)		
11a. CERTIFICATION I CERTIFY THAT I ATTENDED THE BIRTH OF THIS CHILD WHO WAS BORN ALIVE AT THE PLACE AND ON THE DATE STATED ABOVE SIGNATURE		11b. DATE SIGNED	11c. ATTENDANT (M.D., D.O., C.N.M., OTHER) SPECIFY	
11d. CERTIFIER-NAME (TYPE OR PRINT)		11e. MAILING ADDRESS STREET AND NUMBER POST OFFICE		
12a. REGISTRAR-SIGNATURE			12b. DATE FILED	

THIS SPACE RESERVED FOR USE OF REGISTRAR

SUPPLEMENTARY INFORMATION

(THIS SECTION NOT TO BE REPRODUCED ON CERTIFIED COPIES UNLESS SPECIFICALLY REQUESTED)

13a. DATE OF LAST LIVE BIRTH MONTH DAY YEAR	13b. DATE OF LAST OTHER TERMINATION MONTH DAY YEAR	14a. RACE OF FATHER (E.G. WHITE, BLACK, AMERICAN INDIAN, ETC.) SPECIFY	14b. RACE OF MOTHER (E.G. WHITE, BLACK, AMERICAN INDIAN, ETC.) SPECIFY	15. BORN IN WEDLOCK SPECIFY YES OR NO	16. BIRTH WEIGHT

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

PREGNANCY HISTORY				18a. EDUCATION OF FATHER (SPECIFY HIGHEST GRADE COMPLETED)			18b. EDUCATION OF MOTHER (SPECIFY HIGHEST GRADE COMPLETED)			APGAR SCORE 1 min. 5 min.	
LIVE BIRTHS (DO NOT INCLUDE THIS CHILD)		OTHER TERMINATIONS (SPONTANEOUS AND INDUCED)		ELEMENTARY (0,1,2,3...or 8)	HIGH SCHOOL (1,2,3...or 4)	COLLEGE (1,2,3,4,5+)	ELEMENTARY (0,1,2,3...or 8)	HIGH SCHOOL (1,2,3...or 4)	COLLEGE (1,2,3,4,5,+)	19a.	19b.
17a. NOW LIVING Number___ None☐	17b. NOW DEAD Number___ None☐	17c. BEFORE 20 WEEKS Number___ None☐	17d. AFTER 20 WEEKS Number___ None☐	20. DATE LAST NORMAL MENSES BEGAN MONTH DAY YEAR		21. PHYSICIAN'S ESTIMATE OF GESTATION		22a. MONTH OF PREGNANCY PRENATAL CARE BEGAN (1ST, 2ND, ETC.) IF NONE SO STATE		22b. NUMBER OF PRENATAL VISITS (0,1,2, etc.)	

23. COMPLICATIONS OF PREGNANCY (DESCRIBE OR WRITE "NONE")

24. OTHER ILLNESSES OR CONDITIONS AFFECTING THE MOTHER (DESCRIBE OR WRITE "NONE")

25. COMPLICATIONS OF LABOR AND/OR DELIVERY (DESCRIBE OR WRITE "NONE")

26. WAS LABOR INDUCED (SPECIFY YES OR NO. IF YES, SPECIFY METHOD)

27. OPERATIVE PROCEDURES

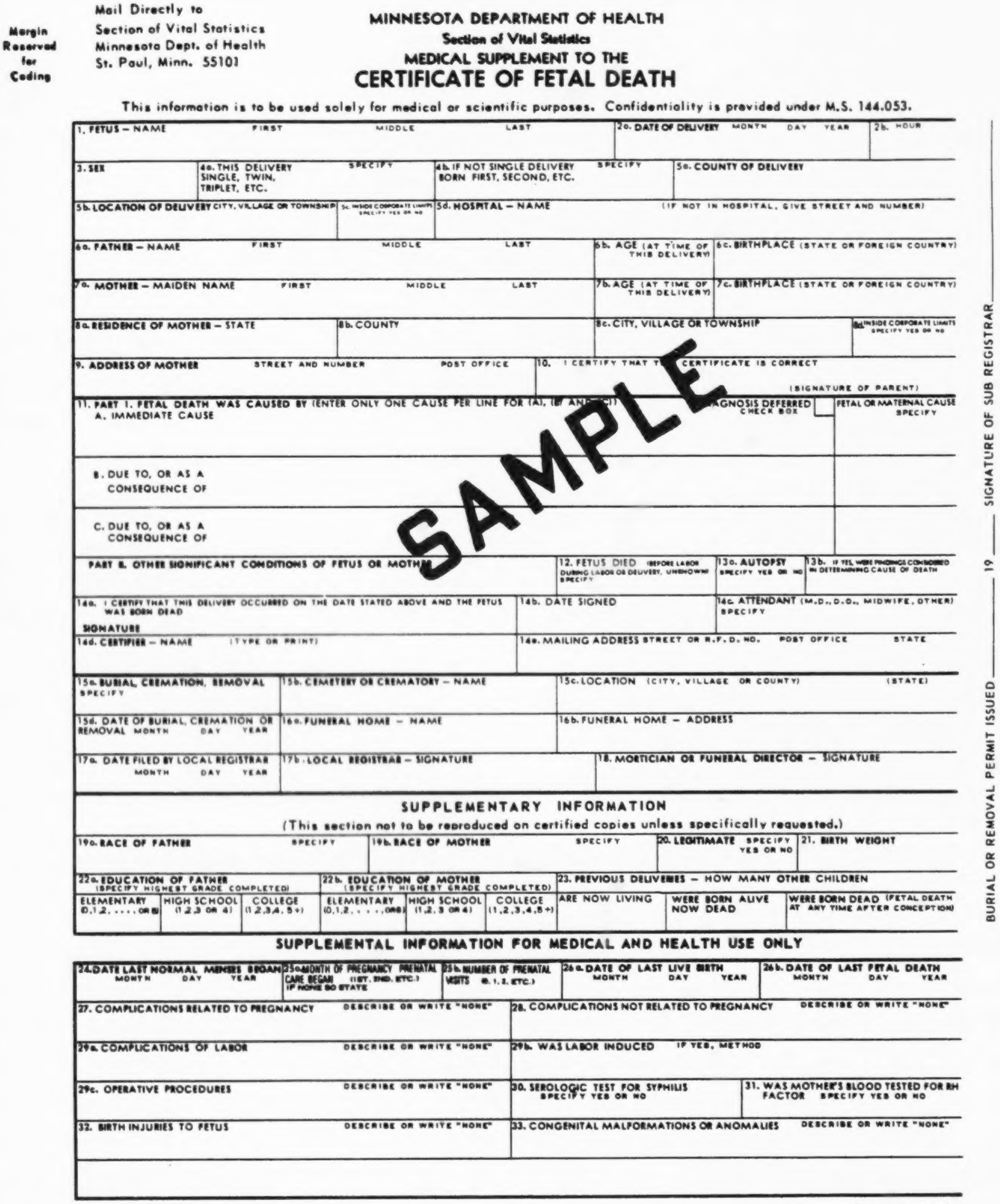
28. CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD (DESCRIBE OR WRITE "NONE")

29. OTHER SIGNIFICANT CONDITIONS OF CHILD (DESCRIBE OR WRITE "NONE")

30. WAS CHILD ADMITTED TO I.C.U. (SPECIFY YES OR NO)

Important: Please Read Reverse Side

Figure 22



Margin
Reserved
for
Coding

Mail Directly to
Section of Vital Statistics
Minnesota Dept. of Health
St. Paul, Minn. 55101

MINNESOTA DEPARTMENT OF HEALTH

Section of Vital Statistics

MEDICAL SUPPLEMENT TO THE

CERTIFICATE OF FETAL DEATH

This information is to be used solely for medical or scientific purposes. Confidentiality is provided under M.S. 144.053.

1. FETUS – NAME FIRST MIDDLE LAST
2a. DATE OF DELIVERY MONTH DAY YEAR
2b. HOUR

3. SEX
4a. THIS DELIVERY SINGLE, TWIN, TRIPLET, ETC. SPECIFY
4b. IF NOT SINGLE DELIVERY BORN FIRST, SECOND, ETC. SPECIFY
5a. COUNTY OF DELIVERY

5b. LOCATION OF DELIVERY CITY, VILLAGE OR TOWNSHIP
5c. INSIDE CORPORATE LIMITS SPECIFY YES OR NO
5d. HOSPITAL – NAME (IF NOT IN HOSPITAL, GIVE STREET AND NUMBER)

6a. FATHER – NAME FIRST MIDDLE LAST
6b. AGE (AT TIME OF THIS DELIVERY)
6c. BIRTHPLACE (STATE OR FOREIGN COUNTRY)

7a. MOTHER – MAIDEN NAME FIRST MIDDLE LAST
7b. AGE (AT TIME OF THIS DELIVERY)
7c. BIRTHPLACE (STATE OR FOREIGN COUNTRY)

8a. RESIDENCE OF MOTHER – STATE
8b. COUNTY
8c. CITY, VILLAGE OR TOWNSHIP
8d. INSIDE CORPORATE LIMITS SPECIFY YES OR NO

9. ADDRESS OF MOTHER STREET AND NUMBER POST OFFICE
10. I CERTIFY THAT THE CERTIFICATE IS CORRECT
(SIGNATURE OF PARENT)

11. PART I. FETAL DEATH WAS CAUSED BY (ENTER ONLY ONE CAUSE PER LINE FOR (A), (B) AND (C))
A. IMMEDIATE CAUSE
B. DUE TO, OR AS A CONSEQUENCE OF
C. DUE TO, OR AS A CONSEQUENCE OF
DIAGNOSIS DEFERRED CHECK BOX ☐
FETAL OR MATERNAL CAUSE SPECIFY

PART II. OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER
12. FETUS DIED (BEFORE LABOR DURING LABOR OR DELIVERY, UNKNOWN) SPECIFY
13a. AUTOPSY SPECIFY YES OR NO
13b. IF YES, WERE FINDINGS CONSIDERED IN DETERMINING CAUSE OF DEATH

14a. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE STATED ABOVE AND THE FETUS WAS BORN DEAD
SIGNATURE
14b. DATE SIGNED
14c. ATTENDANT (M.D., D.O., MIDWIFE, OTHER) SPECIFY

14d. CERTIFIER – NAME (TYPE OR PRINT)
14e. MAILING ADDRESS STREET OR R.F.D. NO. POST OFFICE STATE

15a. BURIAL, CREMATION, REMOVAL SPECIFY
15b. CEMETERY OR CREMATORY – NAME
15c. LOCATION (CITY, VILLAGE OR COUNTY) (STATE)

15d. DATE OF BURIAL, CREMATION OR REMOVAL MONTH DAY YEAR
16a. FUNERAL HOME – NAME
16b. FUNERAL HOME – ADDRESS

17a. DATE FILED BY LOCAL REGISTRAR MONTH DAY YEAR
17b. LOCAL REGISTRAR – SIGNATURE
18. MORTICIAN OR FUNERAL DIRECTOR – SIGNATURE

SUPPLEMENTARY INFORMATION

(This section not to be reproduced on certified copies unless specifically requested.)

19a. RACE OF FATHER SPECIFY
19b. RACE OF MOTHER SPECIFY
20. LEGITIMATE SPECIFY YES OR NO
21. BIRTH WEIGHT

22a. EDUCATION OF FATHER (SPECIFY HIGHEST GRADE COMPLETED)			22b. EDUCATION OF MOTHER (SPECIFY HIGHEST GRADE COMPLETED)			23. PREVIOUS DELIVERIES – HOW MANY OTHER CHILDREN		
ELEMENTARY (0,1,2, ... OR 8)	HIGH SCHOOL (1,2,3 OR 4)	COLLEGE (1,2,3,4, 5+)	ELEMENTARY (0,1,2, ... ,OR 8)	HIGH SCHOOL (1,2,3 OR 4)	COLLEGE (1,2,3,4,5+)	ARE NOW LIVING	WERE BORN ALIVE NOW DEAD	WERE BORN DEAD (FETAL DEATH AT ANY TIME AFTER CONCEPTION)

SUPPLEMENTAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY

24. DATE LAST NORMAL MENSES BEGAN MONTH DAY YEAR
25a. MONTH OF PREGNANCY PRENATAL CARE BEGAN (1ST, 2ND, ETC.) IF NONE SO STATE
25b. NUMBER OF PRENATAL VISITS (0, 1, 2, ETC.)
26a. DATE OF LAST LIVE BIRTH MONTH DAY YEAR
26b. DATE OF LAST FETAL DEATH MONTH DAY YEAR

27. COMPLICATIONS RELATED TO PREGNANCY DESCRIBE OR WRITE "NONE"
28. COMPLICATIONS NOT RELATED TO PREGNANCY DESCRIBE OR WRITE "NONE"

29a. COMPLICATIONS OF LABOR DESCRIBE OR WRITE "NONE"
29b. WAS LABOR INDUCED IF YES, METHOD

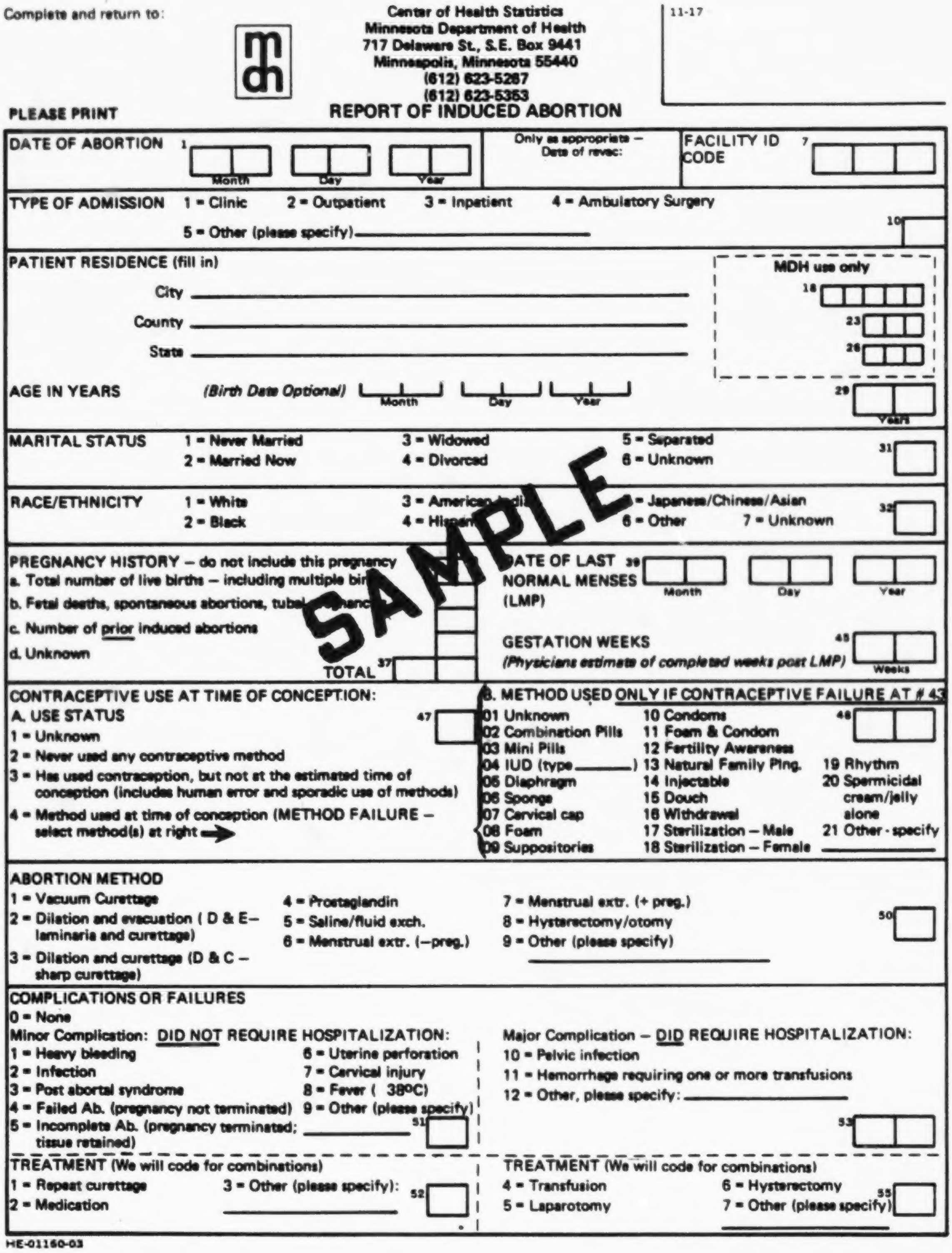
29c. OPERATIVE PROCEDURES DESCRIBE OR WRITE "NONE"
30. SEROLOGIC TEST FOR SYPHILIS SPECIFY YES OR NO
31. WAS MOTHER'S BLOOD TESTED FOR RH FACTOR SPECIFY YES OR NO

32. BIRTH INJURIES TO FETUS DESCRIBE OR WRITE "NONE"
33. CONGENITAL MALFORMATIONS OR ANOMALIES DESCRIBE OR WRITE "NONE"

BURIAL OR REMOVAL PERMIT ISSUED ______ 19 ______ SIGNATURE OF SUB REGISTRAR

SAMPLE

Figure 23



Complete and return to:

Center of Health Statistics
Minnesota Department of Health
717 Delaware St., S.E. Box 9441
Minneapolis, Minnesota 55440
(612) 623-5287
(612) 623-5353

11-17

PLEASE PRINT

REPORT OF INDUCED ABORTION

DATE OF ABORTION 1 ☐☐ Month ☐☐ Day ☐☐ Year

Only as appropriate – Date of revac:

FACILITY ID CODE 7 ☐☐☐

TYPE OF ADMISSION 1 = Clinic 2 = Outpatient 3 = Inpatient 4 = Ambulatory Surgery
5 = Other (please specify) ______ 10 ☐

PATIENT RESIDENCE (fill in)
City ______
County ______
State ______

MDH use only
18 ☐☐☐☐☐
23 ☐☐☐
26 ☐☐☐

AGE IN YEARS *(Birth Date Optional)* Month Day Year 29 ☐☐ Years

MARITAL STATUS
1 = Never Married
2 = Married Now
3 = Widowed
4 = Divorced
5 = Separated
6 = Unknown
31 ☐

RACE/ETHNICITY
1 = White
2 = Black
3 = American
4 = His
= Japanese/Chinese/Asian
6 = Other
7 = Unknown
32 ☐

SAMPLE

PREGNANCY HISTORY – do not include this pregnancy
a. Total number of live births – including multiple bir ☐
b. Fetal deaths, spontaneous abortions, tubal ☐
c. Number of prior induced abortions ☐
d. Unknown ☐
TOTAL 37 ☐☐

ATE OF LAST NORMAL MENSES (LMP) 39 ☐☐ Month ☐☐ Day ☐☐ Year

GESTATION WEEKS 45 ☐☐ Weeks
(Physicians estimate of completed weeks post LMP)

CONTRACEPTIVE USE AT TIME OF CONCEPTION:

A. USE STATUS 47 ☐
1 = Unknown
2 = Never used any contraceptive method
3 = Has used contraception, but not at the estimated time of conception (includes human error and sporadic use of methods)
4 = Method used at time of conception (METHOD FAILURE – select method(s) at right →

B. METHOD USED ONLY IF CONTRACEPTIVE FAILURE AT # 43 48 ☐☐
01 Unknown
02 Combination Pills
03 Mini Pills
04 IUD (type ______)
05 Diaphragm
06 Sponge
07 Cervical cap
08 Foam
09 Suppositories
10 Condoms
11 Foam & Condom
12 Fertility Awareness
13 Natural Family Plng.
14 Injectable
15 Douch
16 Withdrawal
17 Sterilization – Male
18 Sterilization – Female
19 Rhythm
20 Spermicidal cream/jelly alone
21 Other - specify ______

ABORTION METHOD
1 = Vacuum Curettage
2 = Dilation and evacuation (D & E– laminaria and curettage)
3 = Dilation and curettage (D & C – sharp curettage)
4 = Prostaglandin
5 = Saline/fluid exch.
6 = Menstrual extr. (–preg.)
7 = Menstrual extr. (+ preg.)
8 = Hysterectomy/otomy
9 = Other (please specify) ______
50 ☐

COMPLICATIONS OR FAILURES
0 = None

Minor Complication: DID NOT REQUIRE HOSPITALIZATION:
1 = Heavy bleeding
2 = Infection
3 = Post abortal syndrome
4 = Failed Ab. (pregnancy not terminated)
5 = Incomplete Ab. (pregnancy terminated; tissue retained)
6 = Uterine perforation
7 = Cervical injury
8 = Fever (38°C)
9 = Other (please specify) ______
51 ☐

Major Complication – DID REQUIRE HOSPITALIZATION:
10 = Pelvic infection
11 = Hemorrhage requiring one or more transfusions
12 = Other, please specify: ______
53 ☐☐

TREATMENT (We will code for combinations)
1 = Repeat curettage
2 = Medication
3 = Other (please specify): ______
52 ☐

TREATMENT (We will code for combinations)
4 = Transfusion
5 = Laparotomy
6 = Hysterectomy
7 = Other (please specify) ______
55 ☐

HE-01160-03

Figure 24

FIRST REPORT OF INJURY

(See Instructions on Reverse Side. Type or Print)

State of Minnesota
Department of Labor and Industry
State Employees Compensation Section
444 Lafayette Road
St. Paul, Minnesota 55101
612-296-6521

Official Use Only

STATE CLAIM

1. Employee's Social Security Number
2. Date of Claimed Injury
3. Employee's Name (Last, First, Middle) | Phone (Include Area Code) | Sex ☐ Female ☐ Male
4. Address (Street, Route, P.O. Box) | Date of Birth | Marital Status ☐ Married ☐ Not Married
5. City, County, State, Zip | Job Title | Type of Work Program ☐ Apprenticeship ☐ Other (Specify)
6. Employment Status ☐ Full time ☐ Part time ☐ Seasonal ☐ Volunteer ☐ Other (Specify, irregularly scheduled, etc.)
7. Straight Time: Rate Per Hour $ | Hours Per Day | Days Per Week | Overtime If Paid: Rate Per Hour $ | Average Hours Per Week | Average Gross Weekly Wage $
8. If part time or irregularly scheduled worker, indicate total amount earned, total days worked, and total weeks worked in last 26 weeks: → Amount Earned $ | Total Days Worked | Total Weeks Worked
9. If furnished in addition to wages, state the weekly value of: Meals $ | Lodging $ | Other $ | Did employee have other regular employment? ☐ Yes ☐ No | If yes, Where | Hours/Week | Weekly Wages
10. Did claimed injury cause loss of time from work? ☐ Yes ☐ No | If yes, first day of lost time | Did the employee lose time from work on the day of claimed injury? ☐ Yes ☐ No | If yes, Hours lost
11. Has employee returned to work? ☐ Yes ☐ No | If yes, date returned | Were full or partial wages paid for first day of lost time? ☐ Yes ☐ No | If yes, Amount Paid $ | Hrs. Worked
12. Employer (If subsidiary, also specify parent's name and address) STATE OF MINNESOTA | Phone (Include Area Code) | Type of Ownership ☐ Individual ☐ Corporation ☐ Partnership ☒ Government
13. Department | Phone (Include Area Code) | SIC
14. Employer's Street Address | Name and title of Supervisor who first received notice of claimed injury
15. City, State, Zip | Date when notice received | Time of day that injury occurred ☐a.m. ☐p.m.
16. Location where injury occurred (identify job site) (identify city, zip) | Did injury occur on employer's premises? ☐ Yes ☐ No, If no, where?
16a. Total number of employees at the work location where the claimed injury occurred
17. Name of treating doctor (Specify MD, DO, DC, etc.) | Phone (Include Area Code) | If treated at a hospital or hospitalized, name of hospital
18. Address | Hospital Address
19. City, State, Zip | City, State, Zip
20. Describe claimed injury or occupational illness in detail
21. Part of body affected | Name of object (machine, tool, etc.) or substance (chemical, etc.) involved
22. Nature of injury (cut, sprain, burn, etc.) | Type of accident (fall, struck by, bodily reaction, etc.)
23. What action has been taken to prevent reoccurrence?
24. Names of co-employees who may have witnessed claimed injury
25. Names of workers' compensation insurer, if not on form SELF-INSURED
26. Dated Sign Here →

Complete this section only if claimed injury or illness resulted in death.
Name of next-of-kin | Relationship | Date of death
Address | City, State, Zip

Signed by (include official title and phone)

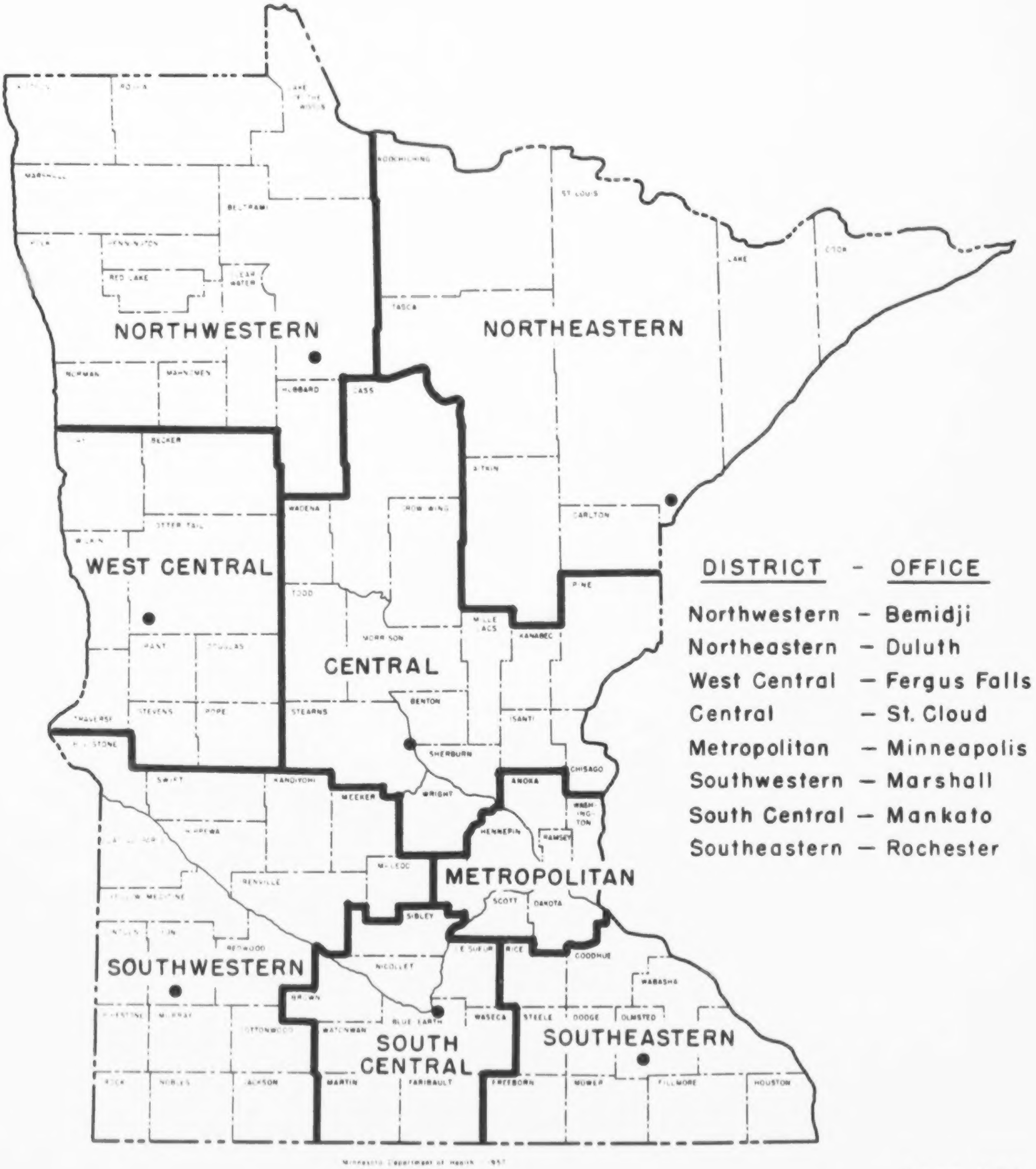
LI-28001-02 (2/82) White, Canary — Workers' Compensation Division Green, Blue — Employer

APPENDIX C

MAP OF HEALTH DISTRICTS AND OFFICES

Figure 25

MINNESOTA DEPARTMENT OF HEALTH
Health Districts and Offices


NORTHWESTERN
NORTHEASTERN
WEST CENTRAL
CENTRAL
METROPOLITAN
SOUTHWESTERN
SOUTH CENTRAL
SOUTHEASTERN
ROSEAU
LAKE OF THE WOODS
KOOCHICHING
MARSHALL
BELTRAMI
ST. LOUIS
POLK
PENNINGTON
RED LAKE
CLEAR WATER
LAKE
COOK
ITASCA
NORMAN
MAHNOMEN
HUBBARD
CASS
BECKER
AITKIN
WADENA
CROW WING
CARLTON
OTTER TAIL
WILKIN
TODD
PINE
MILLE LACS
KANABEC
MORRISON
GRANT
DOUGLAS
STEVENS
POPE
TRAVERSE
STEARNS
BENTON
ISANTI
SHERBURNE
CHISAGO
SWIFT
KANDIYOHI
MEEKER
WRIGHT
ANOKA
WASH ING TON
HENNEPIN
RAMSEY
CHIPPEWA
MCLEOD
RENVILLE
YELLOW MEDICINE
SCOTT
DAKOTA
SIBLEY
LE SUEUR
RICE
GOODHUE
REDWOOD
NICOLLET
WABASHA
BROWN
BLUE EARTH
WASECA
STEELE
DODGE
OLMSTED
MURRAY
COTTONWOOD
WATONWAN
ROCK
NOBLES
JACKSON
MARTIN
FARIBAULT
FREEBORN
MOWER
FILLMORE
HOUSTON

DISTRICT - OFFICE

Northwestern - Bemidji
Northeastern - Duluth
West Central - Fergus Falls
Central - St. Cloud
Metropolitan - Minneapolis
Southwestern - Marshall
South Central - Mankato
Southeastern - Rochester

Minnesota Department of Health 1957